What can you customize in Windows?

- Desktop Background
- Dark v. Light Mode
- Colors
- Transparency (on/off)
- Lock screen
- The little tiles and icons
- Task bar
What can’t you customize in Linux?

Core kernel code?

Given enough config files. You can usually change anything on your system.
What is ricing?

Copying someone else’s config files and making slight edits.
But seriously, what do people usually customize?

1. Display Manager
2. Window Manager / Desktop Environment
3. Status Bar (thingy at the bottom)
4. Compositor
5. Notifications
6. Run dialog
7. Colors and fonts
8. Terminal

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What are these?
How do you log in?

GDM — Gnome display manager
How do you log in?

LightDM - Default “Greeter”
Display Manager

How do you log in?

LightDM - Elementary Greeter
How do you log in?

LightDM - Webkit Greeter
How do you log in?

SDDM (Simple Desktop Display Manager)
Desktop Environments

You might have a desktop.
You might have a desktop.
You might have a desktop.

GNOME
Desktop Environments

You might have a desktop.

Xfce
You might have a desktop.
You can also create a system that **JUST** handles the windows: This may be embedded in a desktop environment, or it may be on its own. It may stack things or it may only do **tiling**. In general, you can think of it like a desktop environment.

Let’s see some examples.
Window Manager

i3
Window Manager

openbox
Xest – Mines-grown window manager
Window Manager

enlightenment
Status Bar

It's the bar at the bottom:

![Status Bar Image]

- **i3statubar**
- **i3status-rust**
- **polybar (Islands dotfile)**
- **Xfce4 bar**
This is the thing that does transparency, blurring, and prevents screen tearing.

It’s done by your desktop/window manager. You’re done!
This is the thing that does transparency, blurring, and prevents screen tearing.

Picom (previously compton) + a bazillion forks for stuff blurring, rounded corners, etc.
Notification Daemon

Dunst!

- Low
  This is a low urgency notification

- Normal
  This is a normal urgency notification

- Critical
  This is a critical urgency notification
Run Dialog

It opens your programs.

dmenu

rofi
For GTK (aka the gui toolkit behind half your software)
Themes

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Colors!

There’s a lot of ways to color not just your desktop, but also your code!
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```javascript
class ArchiveEntry
  constructor: (@path, @type) ->
    @children = [] if @isDirectory()

  add: (entry) ->
    return false unless @isParentOf(entry)

    segments = entry.getPath().substring(entry.getPath().length + 1).split('/
    return false if segments.length is 0

    if segments.length is 1
      @children.push(entry)
      true
    else
      name = segments[0]
      child = _.find @children, (child) -> name is child.getName()
      unless child
        child = new ArchiveEntry("#{@getPath()}/#{name}", 5)
        @children.push(child)
      if child.isDirectory()
        child.add(entry)
      else
        false
    isParentOf: (entry) ->
      @isDirectory() and entry.getPath().indexOf("#{@getPath()}/") is 0
```
There’s a lot of ways to color not just your desktop, but also your code!

```bash
~/.Pictures $...$ wal -i neowise.jpg
[+] image: Using image neowise.jpg.
[+] theme: Set theme to _home_joseph_Pictures_neowise_jpg_dark_1.1.0.json.
[+] colors: Found cached colorscheme.
[+] wallpaper: Set the new wallpaper.
[+] sequences: Set terminal colors.

[+] export: Exported all files.
[+] export: Exported all user files.
[+] reload: Reloaded environment.

~/.Pictures $...$ pywal

pywal
```
Programming also needs its own fonts.

Heavy boxes perform quick waltzes and jigs.

Deja Vu Sans Mono

Viewing quizzical abstracts mixed up hefty jocks.

Source Code Pro

The quick brown Firefox jumps over the lazy dog.

Fira Mono
Terminals

They all look the same?
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