

# Converting Colors

$Y_{xy}(25.4021, 0.5467, 0.3341)$

Have a look what the booklet for  
Yxy(25.4021, 0.5467, 0.3341)  
contains.

|   |    |
|---|----|
| <b>Yxy(25.4855, 0.5469, 0.3346)</b> ..... | 3  |
| <b>Conversions</b> .....                  | 4  |
| <b>Details</b> .....                      | 6  |
| <b>Harmonies</b> .....                    | 12 |
| <b>Previews</b> .....                     | 24 |
| <b>Color Blindness Simulation</b> .....   | 27 |
| <b>CSS Examples</b> .....                 | 30 |

# Color

**$\text{Yxy}(25.4855, 0.5469, 0.3346)$**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | F54F49                      |
| RGB         | 245, 79, 73                 |
| RGB Percent | 96%, 31%, 29%               |
| CMY         | 0.0392, 0.6902, 0.7137      |
| CMYK        | 0.00, 0.68, 0.70, 0.04      |
| HSL         | 2°, 90%, 62%                |
| HSV         | 2°, 70%, 96%                |
| XYZ         | 41.6558, 25.4855, 9.0258    |
| YIQ         | 127.9500, 100.8620, 33.3260 |

# Conversions

## Conversions Part 2

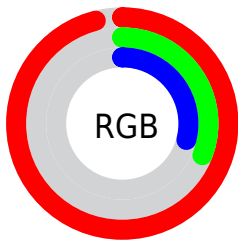
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>R<sub>YB</sub></b>               | 245, 79, 73                     |
| Decimal                             | 16076617                        |
| CIE Lab                             | 57.55, 62.79, 39.60             |
| CIE LCh                             | 58, 74.232, 32.238              |
| Yxy                                 | 25.4855, 0.5469,<br>0.3346      |
| Android<br>(android.graphics.Color) | 4294266697<br>(0xFFFF54F49)     |
| YUV                                 | 127.9500, -27.0903,<br>102.6529 |
| Hunter-Lab                          | 50.4832, 58.9423,<br>24.7379    |

# Details

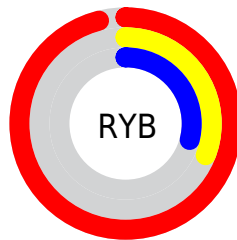
The Yxy color **25.4855, 0.5469, 0.3346** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark washed red. A complement of this color would be **69.7370, 0.2308, 0.3213**, and the grayscale version is **21.6387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5565, 0.4564, 0.3447**, and **9.9076, 0.6181, 0.3179** is the 20% darker color. If you saturate the color by 10%, you get **22.3976, 0.5902, 0.3339**, and if you desaturate by 10%, it is **29.9165, 0.4994, 0.3346**.

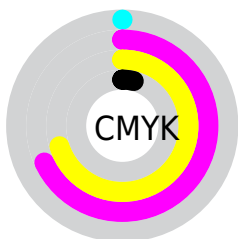
# Distribution



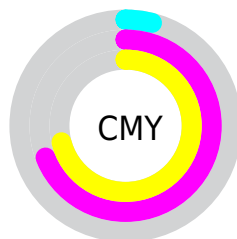
- Red (96%)
- Green (31%)
- Blue (29%)



- Red (96%)
- Yellow (31%)
- Blue (29%)



- Cyan (0%)
- Magenta (68%)
- Yellow (70%)
- Black (4%)




- Cyan (4%)
- Magenta (69%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.4855, 0.5469, 0.3346 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 25.4855, 0.5469, 0.3346 by changing the saturation by 10% instead.





 25.4855, 0.5469,  
0.3346


 25.4855, 0.5469,  
0.3346


280.2472, 0.4206,  
0.3426


 16.4391, 0.5790,  
0.3280


 52.4438, 0.4999,  
0.3407


 9.8354, 0.6193,  
0.3165


 71.1244, 0.4825,  
0.3420


 5.2900, 0.6717,  
0.2973

 93.7854, 0.4679,  
0.3427

 2.4184, 0.7371,  
0.2629

 120.8109, 0.4555,  
0.3430

 0.8353, 0.8014,  
0.1986

 152.5855, 0.4449,  
0.3431

 0.0000, 1.0000,  
0.0000


189.4934, 0.4357,


 0.0000, 0.0000,

0.3430


0.0000

231.9192, 0.4276,  
0.3428


 25.4855, 0.5469,  
0.3346


 25.4855, 0.5469,  
0.3346


 22.3976, 0.5902,  
0.3339


 29.9165, 0.4994,  
0.3346


 20.4970, 0.6220,  
0.3326

 35.8152, 0.4538,  
0.3340


 19.5991, 0.6383,  
0.3314


 43.2969, 0.4137,  
0.3331

 52.4642, 0.3801,  
0.3320

 63.4111, 0.3527,  
0.3310

 76.2247, 0.3307,  
0.3300

 90.9863, 0.3130,  
0.3290

 98.1532, 0.3066,  
0.3290

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



25.4855, 0.4698, 0.2630



25.4855, 0.5469, 0.3346



25.4855, 0.5361, 0.4135

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



25.4855, 0.5469, 0.3346



25.4855, 0.2502, 0.5284



25.4855, 0.1547, 0.1584

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



25.4855, 0.5469, 0.3346



69.7370, 0.2308, 0.3213

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



25.4855, 0.1226, 0.1824



25.4855, 0.5469, 0.3346



25.4855, 0.1648, 0.3857

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



25.4855, 0.5469, 0.3346



25.4855, 0.3584, 0.5627



25.4855, 0.1241, 0.2531



25.4855, 0.2258, 0.1669



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



25.4855, 0.5469, 0.3346



25.4855, 0.4913, 0.4708



25.4855, 0.1241, 0.2531



25.4855, 0.1402, 0.1624

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



25.4870, 0.5469, 0.3346



68.3623, 0.3548, 0.3311



30.4254, 0.3257, 0.1780



13.8894, 0.3619, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.4870, 0.5469, 0.3346



23.5562, 0.6046, 0.3335



46.7080, 0.4686, 0.4188



16.5753, 0.3293, 0.3299



10.5991, 0.6376, 0.3320



0.9637, 0.6313, 0.3370



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



69.7370, 0.2308, 0.3213



74.5230, 0.2247, 0.3197



30.8784, 0.2014, 0.2028



18.6526, 0.2981, 0.3281



36.0502, 0.2217, 0.3180



3.1990, 0.2221, 0.3195



# Previews

## White Background



This preview shows how the Yxy color 25.4855, 0.5469, 0.3346 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 25.4855, 0.5469, 0.3346 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 25.4855, 0.5469, 0.3346**

## Background



This preview shows how black text looks on a background with the Yxy color 25.4855, 0.5469, 0.3346.



This preview shows how white text looks on a background with the Yxy color 25.4855, 0.5469, 0.3346.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

25.4855, 0.5469, 0.3346

### Protanopia

25.4691, 0.3735, 0.4016

### Deuteranopia

25.5193, 0.4344, 0.4273



## Tritanopia

25.4705, 0.5368, 0.3263

# Trichromacy



## Original Color

25.4855, 0.5469, 0.3346

## Protanomaly

23.7088, 0.4406, 0.3724

## Deuteranomaly

24.2213, 0.4808, 0.3856

## Tritanomaly

25.4258, 0.5405, 0.3288

# Monochromacy



## Original Color

25.4855, 0.5469, 0.3346

## Achromatopsia

21.5861, 0.3127, 0.3290

## Achromatomaly

20.8925, 0.3989, 0.3323

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.4855, 0.5469, 0.3346 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(245, 79, 73)` looks like.

```
.text, #text, p{  
    color:rgb(245, 79, 73)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(245, 79, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 79, 73) }
```

## Border

The CSS property to change the border of an element to Yxy 25.4855, 0.5469, 0.3346 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(245, 79, 73) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(245, 79, 73) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(245, 79, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 79, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 79, 73);  
box-shadow:4px 4px 4px 4px rgb(245, 79,  
73) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.4855, 0.5469, 0.3346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 79, 73) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(245, 79,  
73) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor