

Converting Colors

$Y_{xy}(25.2435, 0.5808, 0.3347)$

Have a look what the booklet for
Yxy(25.2435, 0.5808, 0.3347)
contains.

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Color

Yxy(25.2222, 0.5806, 0.3342)

Conversions

Conversions Part 1

Format	Color
Hex	FF4039
RGB	255, 64, 57
RGB Percent	100%, 25%, 22%
CMY	0.0000, 0.7491, 0.7765
CMYK	0.00, 0.75, 0.78, 0.00
HSL	2°, 100%, 61%
HSV	2°, 78%, 100%
XYZ	43.8181, 25.2222, 6.4301
YIQ	120.3110, 116.0830, 38.3150

Conversions

Conversions Part 2

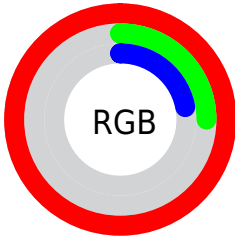
Format	Color
R_{YB}	255, 64, 57
Decimal	16728121
CIE _{Lab}	57.29, 70.35, 48.48
CIE _{LCh}	57, 85.433, 34.574
Yxy	25.2222, 0.5806, 0.3342
Android (android.graphics.Color)	4294918201 (0xFFFF4039)
YUV	120.3110, -31.2123, 118.1223
Hunter-Lab	50.2217, 67.8521, 27.5641

Details

The Yxy color **25.2222, 0.5806, 0.3342** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **75.2408, 0.2270, 0.3203**, and the grayscale version is **18.9563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2016, 0.4821, 0.3500**, and **10.8430, 0.6341, 0.3267** is the 20% darker color. If you saturate the color by 10%, you get **22.8374, 0.6158, 0.3330**, and if you desaturate by 10%, it is **28.9517, 0.5355, 0.3347**.

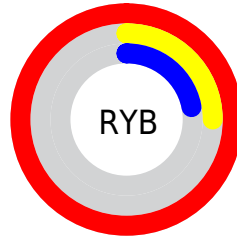
Distribution



Red (100%)

Green (25%)

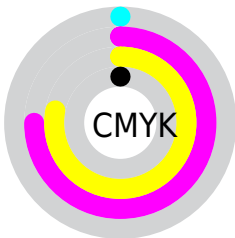
Blue (22%)



Red (100%)

Yellow (25%)

Blue (22%)

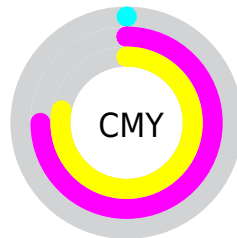


Cyan (0%)

Magenta (75%)

Yellow (78%)

Black (0%)



Cyan (0%)


Magenta (75%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.2222, 0.5806, 0.3342 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 25.2222, 0.5806, 0.3342 by changing the saturation by 10% instead.


 25.2222, 0.5806,
0.3342


 25.2222, 0.5806,
0.3342


278.9427, 0.4388,
0.3469


 16.2427, 0.6145,
0.3248


 52.0175, 0.5293,
0.3433


 9.6960, 0.6552,
0.3093


 70.6020, 0.5097,
0.3453


 5.1979, 0.7128,
0.2872

 93.1570, 0.4932,
0.3465

 2.3638, 0.7588,
0.2412

 120.0669, 0.4790,
0.3471

 0.8072, 0.8242,
0.1758

 151.7160, 0.4669,
0.3473

 0.0000, 1.0000,
0.0000

 188.4887, 0.4563,

 0.0000, 0.0000,

0.3473

0.0000

230.7695, 0.4470,
0.3472

■ 25.2222, 0.5806,
0.3342

■ 25.2222, 0.5806,
0.3342

■ 22.8374, 0.6158,
0.3330

■ 28.9517, 0.5355,
0.3347

■ 21.6084, 0.6355,
0.3314


■ 34.1933, 0.4879,
0.3345

■ 21.4550, 0.6384,
0.3313

■ 41.0820, 0.4434,
0.3338

■ 49.7395, 0.4048,
0.3328

■ 60.2765, 0.3727,
0.3318

 72.7945, 0.3467,
0.3307

 87.3875, 0.3258,
0.3297

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



25.2222, 0.5030, 0.2586



25.2222, 0.5806, 0.3342



25.2222, 0.5539, 0.4192

Triad

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



25.2222, 0.5806, 0.3342



25.2222, 0.2280, 0.5557



25.2222, 0.1423, 0.1404

Complementary

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



25.2222, 0.5806, 0.3342



75.2408, 0.2270, 0.3203

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.



25.2222, 0.1058, 0.1612



25.2222, 0.5806, 0.3342



25.2222, 0.1400, 0.3781

Square

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



25.2222, 0.5806, 0.3342



25.2222, 0.3450, 0.5983



25.2222, 0.1031, 0.2309



25.2222, 0.2222, 0.1523

Rectangle

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



25.2222, 0.5806, 0.3342



25.2222, 0.4969, 0.4847



25.2222, 0.1031, 0.2309



25.2222, 0.1260, 0.1433

Sweetspot

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



25.2196, 0.5806, 0.3342



65.8400, 0.3599, 0.3313



30.9887, 0.3269, 0.1696



13.1585, 0.3697, 0.3317



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.



25.2196, 0.5806, 0.3342



22.0510, 0.6284, 0.3321



47.6085, 0.4877, 0.4222



18.0895, 0.3294, 0.3299



11.2550, 0.6376, 0.3319



1.1304, 0.6319, 0.3365

Inverse Universe

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



75.2408, 0.2270, 0.3203



73.6530, 0.2225, 0.3185



29.7121, 0.1921, 0.1869



20.3652, 0.2980, 0.3281



38.2674, 0.2217, 0.3179



3.7589, 0.2220, 0.3193

Previews

White Background



This preview shows how the Yxy color 25.2222, 0.5806, 0.3342 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 25.2222, 0.5806, 0.3342 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 25.2222, 0.5806, 0.3342

Background



This preview shows how black text looks on a background with the Yxy color 25.2222, 0.5806, 0.3342.



This preview shows how white text looks on a background with the Yxy color 25.2222, 0.5806, 0.3342.

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

25.2222, 0.5806, 0.3342

Protanopia

25.3208, 0.3900, 0.4245

Deuteranopia

25.2840, 0.4539, 0.4454



Tritanopia

25.1967, 0.5732, 0.3284

Trichromacy



Original Color

25.2222, 0.5806, 0.3342

Protanomaly

22.6426, 0.4688, 0.3817

Deuteranomaly

23.4171, 0.5116, 0.3941

Tritanomaly

25.1628, 0.5763, 0.3304

Monochromacy



Original Color

25.2222, 0.5806, 0.3342

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.4124, 0.4185, 0.3339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2222, 0.5806, 0.3342 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(255, 64, 57)` looks like.

```
.text, #text, p{  
    color:rgb(255, 64, 57)  
}
```

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(255, 64, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 64, 57) }
```

Border

The CSS property to change the border of an element to Yxy 25.2222, 0.5806, 0.3342 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(255, 64, 57) }
```

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

```
.border{ border-color:rgb(255, 64, 57) }
```

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

Here you see how a box with a 4 pixel rgb(255, 64, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 64, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 64, 57);  
box-shadow:4px 4px 4px 4px rgb(255, 64,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2222, 0.5806, 0.3342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 64, 57) }
```

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

```
.background{ background-color: rgb(255, 64,  
57) }
```

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](#).

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