

Converting Colors

$Y_{xy}(25.4684, 0.5807, 0.3592)$

Have a look what the booklet for
Yxy(25.4684, 0.5807, 0.3592)
contains.

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Color

Yxy(25.4456, 0.5809, 0.3591)

Conversions

Conversions Part 1

Format	Color
Hex	F65022
RGB	246, 80, 34
RGB Percent	96%, 31%, 13%
CMY	0.0353, 0.6862, 0.8669
CMYK	0.00, 0.67, 0.86, 0.04
HSL	13°, 92%, 55%
HSV	13°, 86%, 96%
XYZ	41.1622, 25.4456, 4.2516
YIQ	124.3900, 113.7020, 20.8860

Conversions

Conversions Part 2

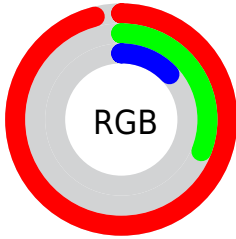
Format	Color
R_{YB}	246, 93, 34
Decimal	16142370
CIE _{Lab}	57.51, 61.45, 58.88
CIE _{LCh}	58, 85.107, 43.780
Yxy	25.4456, 0.5809, 0.3591
Android (android.graphics.Color)	4294332450 (0xFFFF65022)
YUV	124.3900, -44.5623, 106.6520
Hunter-Lab	50.4436, 57.3804, 30.3134

Details

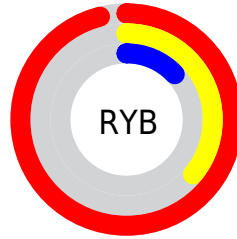
The Yxy color **25.4456, 0.5809, 0.3591** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **48.2700, 0.2099, 0.2671**, and the grayscale version is **20.4170, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8072, 0.4927, 0.3785**, and **9.8672, 0.6392, 0.3306** is the 20% darker color. If you saturate the color by 10%, you get **22.9247, 0.6087, 0.3514**, and if you desaturate by 10%, it is **28.8786, 0.5441, 0.3632**.

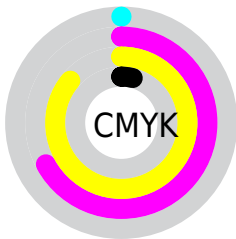
Distribution



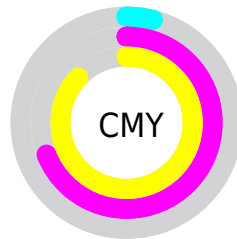
- Red (96%)
- Green (31%)
- Blue (13%)



- Red (96%)
- Yellow (36%)
- Blue (13%)



- Cyan (0%)
- Magenta (67%)
- Yellow (86%)
- Black (4%)



- Cyan (4%)
- Magenta (69%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.4456, 0.5809, 0.3591 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 25.4456, 0.5809, 0.3591 by changing the saturation by 10% instead.


 25.4456, 0.5809,
0.3591


 25.4456, 0.5809,
0.3591


280.0498, 0.4424,
0.3623

 16.4094, 0.6117,
0.3506


 52.3792, 0.5323,
0.3659


 9.8143, 0.6496,
0.3365


 71.0453, 0.5132,
0.3667

 5.2760, 0.6899,
0.3101

 93.6902, 0.4970,
0.3666

 2.4101, 0.7335,
0.2665

 120.6983, 0.4829,
0.3661

 0.8311, 0.7978,
0.2022

 152.4539, 0.4708,
0.3653

 0.0000, 1.0000,
0.0000

 189.3414, 0.4601,

 0.0000, 0.0000,

0.3644

0.0000

231.7453, 0.4507,
0.3633

25.4456, 0.5809,
0.3591

25.4456, 0.5809,
0.3591

22.9247, 0.6087,
0.3514

28.8786, 0.5441,
0.3632


22.1788, 0.6171,
0.3482

33.3005, 0.5033,
0.3634


38.7844, 0.4628,
0.3607


45.3948, 0.4255,
0.3560

53.1910, 0.3929,
0.3503

 62.2281, 0.3652,
0.3442

 72.5576, 0.3421,
0.3381

 84.2280, 0.3229,
0.3324

 97.2630, 0.3072,
0.3274

Harmonies

Analogous

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



25.4456, 0.5366, 0.2816



25.4456, 0.5809, 0.3591



25.4456, 0.5296, 0.4485

Triad

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



25.4456, 0.5809, 0.3591



25.4456, 0.1969, 0.5070



25.4456, 0.1623, 0.1417

Complementary

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



25.4456, 0.5809, 0.3591



48.2700, 0.2099, 0.2671

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.



25.4456, 0.1140, 0.1516



25.4456, 0.5809, 0.3591



25.4456, 0.1245, 0.3243

Square

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



25.4456, 0.5809, 0.3591



25.4456, 0.3087, 0.6018



25.4456, 0.1012, 0.2033



25.4456, 0.2577, 0.1626

Rectangle

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



25.4456, 0.5809, 0.3591



25.4456, 0.4644, 0.5155



25.4456, 0.1012, 0.2033



25.4456, 0.1416, 0.1414

Sweetspot

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



25.4471, 0.5809, 0.3591



67.6816, 0.3649, 0.3441



24.9062, 0.3746, 0.1904



13.7232, 0.3739, 0.3462



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.



25.4471, 0.5809, 0.3591



24.0302, 0.6173, 0.3480



54.7904, 0.4662, 0.4575



17.0660, 0.3288, 0.3342



12.0053, 0.6145, 0.3503



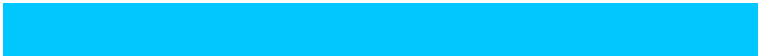
1.2004, 0.5911, 0.3689

Inverse Universe

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



48.2700, 0.2099, 0.2671



48.3453, 0.2044, 0.2560



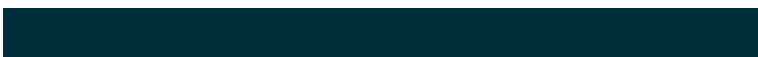
15.0038, 0.1700, 0.1198



18.1111, 0.2980, 0.3237



24.0203, 0.2049, 0.2575



2.2590, 0.2076, 0.2674

Previews

White Background



This preview shows how the Yxy color 25.4456, 0.5809, 0.3591 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 25.4456, 0.5809, 0.3591 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 25.4456, 0.5809, 0.3591

Background



This preview shows how black text looks on a background with the Yxy color 25.4456, 0.5809, 0.3591.



This preview shows how white text looks on a background with the Yxy color 25.4456, 0.5809, 0.3591.

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

25.4456, 0.5809, 0.3591

Protanopia

25.6556, 0.4192, 0.4615

Deuteranopia

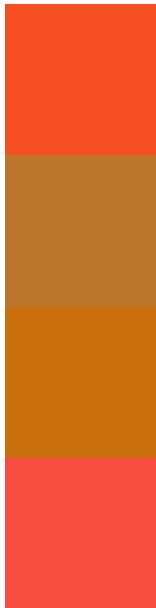
25.3466, 0.4718, 0.4636



Tritanopia

25.3708, 0.5441, 0.3264

Trichromacy



Original Color

25.4456, 0.5809, 0.3591

Protanomaly

23.8301, 0.4853, 0.4179

Deuteranomaly

24.0324, 0.5218, 0.4188

Tritanomaly

25.4408, 0.5606, 0.3403

Monochromacy



Original Color

25.4456, 0.5809, 0.3591

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.8053, 0.4202, 0.3556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4456, 0.5809, 0.3591 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(246, 80, 34)` looks like.

```
.text, #text, p{  
    color:rgb(246, 80, 34)  
}
```

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(246, 80, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 80, 34) }
```

Border

The CSS property to change the border of an element to Yxy 25.4456, 0.5809, 0.3591 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(246, 80, 34) }
```

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

```
.border{ border-color:rgb(246, 80, 34) }
```

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

Here you see how a box with a 4 pixel rgb(246, 80, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 80, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 80, 34);  
box-shadow:4px 4px 4px 4px rgb(246, 80,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 25.4456, 0.5809, 0.3591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 80, 34) }
```

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

```
.background{ background-color: rgb(246, 80,  
34) }
```

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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