

Converting Colors

$Yxy(26.4548, 0.5814, 0.3765)$

Have a look what the booklet for
Yxy(26.4548, 0.5814, 0.3765)
contains.

Yxy(26.5454, 0.5813, 0.3767)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.5454, 0.5813, 0.3767)

Conversions

Conversions Part 1

Format	Color
Hex	F45A00
RGB	244, 90, 0
RGB Percent	96%, 35%, 0%
CMY	0.0431, 0.6470, 1.0000
CMYK	0.00, 0.63, 1.00, 0.04
HSL	22°, 100%, 48%
HSV	22°, 100%, 96%
XYZ	40.9632, 26.5454, 2.9597
YIQ	125.7860, 120.6740, 4.6580

Conversions

Conversions Part 2

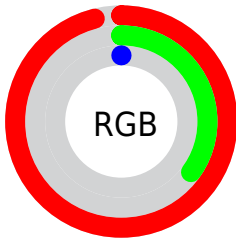
Format	Color
R_YB	244, 143, 0
Decimal	16013824
CIE Lab	58.55, 56.34, 68.40
CIE LCh	59, 88.615, 50.525
Yxy	26.5454, 0.5813, 0.3767
Android (android.graphics.Color)	4294203904 (0xFFFF45A00)
YUV	125.7860, -62.0125, 103.6737
Hunter-Lab	51.5222, 51.7541, 32.6597

Details

The Yxy color **26.5454, 0.5813, 0.3767** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **29.6374, 0.1892, 0.2011**, and the grayscale version is **20.9738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9041, 0.4998, 0.4001**, and **10.5123, 0.6229, 0.3436** is the 20% darker color. If you saturate the color by 10%, you get **26.5473, 0.5812, 0.3767**, and if you desaturate by 10%, it is **29.4876, 0.5573, 0.3860**.

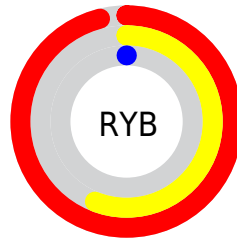
Distribution



Red (96%)

Green (35%)

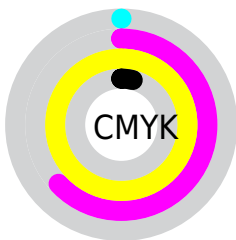
Blue (0%)



Red (96%)

Yellow (56%)

Blue (0%)

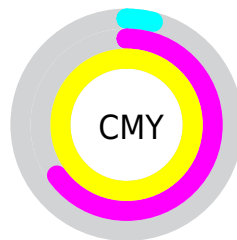


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (65%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.5454, 0.5813, 0.3767 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 26.5454, 0.5813, 0.3767 by changing the saturation by 10% instead.


 26.5454, 0.5813,
0.3767


 26.5454, 0.5813,
0.3767


285.4492, 0.4475,
0.3743


 17.2321, 0.6087,
0.3683


 54.1535, 0.5361,
0.3825


 10.4001, 0.6442,
0.3558


 73.2171, 0.5178,
0.3826

 5.6650, 0.6728,
0.3272

 96.2996, 0.5020,
0.3819

 2.6425, 0.7134,
0.2866

 123.7854, 0.4881,
0.3807

 0.9481, 0.7738,
0.2262

 156.0588, 0.4760,
0.3792

 0.0000, 1.0000,
0.0000


 193.5044, 0.4653,

 0.0000, 0.0000,

0.3776


0.0000


 236.5064, 0.4559,
0.3760


 26.5454, 0.5813,
0.3767


 26.5454, 0.5813,
0.3767

 26.5473, 0.5812,
0.3767

 29.4876, 0.5573,
0.3860

 33.0815, 0.5276,
0.3907

 37.3836, 0.4943,
0.3903

 42.4362, 0.4602,
0.3855

 48.2773, 0.4277,
0.3779

■ 54.9421, 0.3979,
0.3685

■ 62.4632, 0.3717,
0.3583

■ 70.8714, 0.3489,
0.3481

■ 80.1958, 0.3294,
0.3383

Harmonies

Analogous

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



26.5454, 0.5622, 0.2969



26.5454, 0.5813, 0.3767



26.5454, 0.5118, 0.4714

Triad

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



26.5454, 0.5813, 0.3767



26.5454, 0.1725, 0.4705



26.5454, 0.1764, 0.1407

Complementary

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



26.5454, 0.5813, 0.3767



29.6374, 0.1892, 0.2011

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.



26.5454, 0.1183, 0.1431



26.5454, 0.5813, 0.3767



26.5454, 0.1117, 0.2880

Square

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



26.5454, 0.5813, 0.3767



26.5454, 0.2798, 0.6037



26.5454, 0.0978, 0.1835



26.5454, 0.2857, 0.1685

Rectangle

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



26.5454, 0.5813, 0.3767



26.5454, 0.4399, 0.5404



26.5454, 0.0978, 0.1835



26.5454, 0.1520, 0.1380

Sweetspot

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



26.5473, 0.5812, 0.3767



68.9854, 0.3718, 0.3584



21.5835, 0.4431, 0.2215



13.9891, 0.3825, 0.3627



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.



26.5473, 0.5812, 0.3767



29.2784, 0.5817, 0.3764



66.0524, 0.4454, 0.4845



17.4837, 0.3284, 0.3378



14.6740, 0.5784, 0.3790



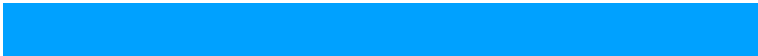
1.4792, 0.5547, 0.3977

Inverse Universe

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



29.6374, 0.1892, 0.2011



32.6843, 0.1891, 0.2008



7.5935, 0.1524, 0.0686



17.6700, 0.2980, 0.3201



16.3856, 0.1898, 0.2034



1.6361, 0.1947, 0.2208

Previews

White Background



This preview shows how the Yxy color 26.5454, 0.5813, 0.3767 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 26.5454, 0.5813, 0.3767 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 26.5454, 0.5813, 0.3767

Background



This preview shows how black text looks on a background with the Yxy color 26.5454, 0.5813, 0.3767.



This preview shows how white text looks on a background with the Yxy color 26.5454, 0.5813, 0.3767.

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

26.5454, 0.5813, 0.3767

Protanopia

26.7871, 0.4331, 0.4805

Deuteranopia

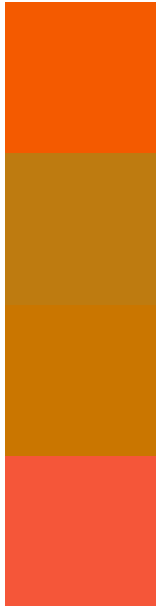
26.5152, 0.4708, 0.4644



Tritanopia

26.6547, 0.5244, 0.3252

Trichromacy



Original Color

26.5454, 0.5813, 0.3767

Protanomaly

25.1505, 0.4949, 0.4381

Deuteranomaly

25.5134, 0.5170, 0.4277

Tritanomaly

26.3635, 0.5574, 0.3522

Monochromacy



Original Color

26.5454, 0.5813, 0.3767

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.8245, 0.4320, 0.3793

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.5454, 0.5813, 0.3767 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(244, 90, 0)` looks like.

```
.text, #text, p{  
    color:rgb(244, 90, 0)  
}
```

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(244, 90, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 90, 0) }
```

Border

The CSS property to change the border of an element to Yxy 26.5454, 0.5813, 0.3767 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(244, 90, 0) }
```

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

```
.border{ border-color:rgb(244, 90, 0) }
```

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

Here you see how a box with a 4 pixel rgb(244, 90, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 90, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 90, 0);  
box-shadow:4px 4px 4px 4px rgb(244, 90, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 26.5454, 0.5813, 0.3767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 90, 0) }
```

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

```
.background{ background-color: rgb(244, 90,  
0) }
```

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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