

Converting Colors

$Y_{xy}(31.9309, 0.5507, 0.4009)$

Have a look what the booklet for
Yxy(31.9309, 0.5507, 0.4009)
contains.

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Color

Yxy(31.9033, 0.5512, 0.4005)

Conversions

Conversions Part 1

Format	Color
Hex	F57400
RGB	245, 116, 0
RGB Percent	96%, 45%, 0%
CMY	0.0391, 0.5451, 0.9995
CMYK	0.00, 0.53, 1.00, 0.04
HSL	28°, 100%, 48%
HSV	28°, 100%, 96%
XYZ	43.9079, 31.9033, 3.8475
YIQ	141.3470, 114.1200, -8.7280

Conversions

Conversions Part 2

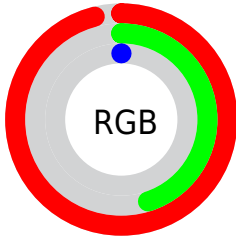
Format	Color
R_{YB}	245, 220, 0
Decimal	16086016
CIE _{Lab}	63.26, 44.87, 71.03
CIE _{LCh}	63, 84.015, 57.720
Yxy	31.9033, 0.5512, 0.4005
Android (android.graphics.Color)	4294276096 (0xFFFF57400)
YUV	141.3470, -69.6841, 90.9037
Hunter-Lab	56.4830, 39.9142, 35.4994

Details

The Yxy color **31.9033, 0.5512, 0.4005** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **22.3401, 0.1789, 0.1641**, and the grayscale version is **27.0314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4516, 0.4738, 0.4214**, and **13.4905, 0.5822, 0.3760** is the 20% darker color. If you saturate the color by 10%, you get **31.8879, 0.5513, 0.4005**, and if you desaturate by 10%, it is **35.1592, 0.5304, 0.4083**.

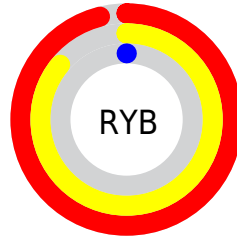
Distribution



Red (96%)

Green (45%)

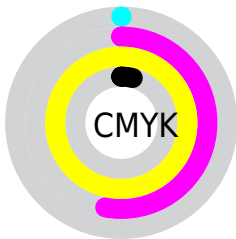
Blue (0%)



Red (96%)

Yellow (86%)

Blue (0%)

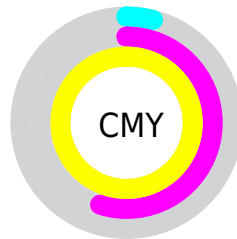


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (55%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9033, 0.5512, 0.4005 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 31.9033, 0.5512, 0.4005 by changing the saturation by 10% instead.

 31.9033, 0.5512,
0.4005


 31.9033, 0.5512,
0.4005


310.6785, 0.4358,
0.3834

 21.2876, 0.5743,
0.3970


 62.6595, 0.5128,
0.4000


 13.3344, 0.6026,
0.3901


 83.5688, 0.4971,
0.3981

 7.6592, 0.6282,
0.3718


 108.6781, 0.4834,
0.3957

 3.8777, 0.6581,
0.3419

 138.3718, 0.4714,
0.3932

 1.6054, 0.7031,
0.2969

 173.0343, 0.4609,
0.3906


 0.3612, 0.8150,
0.1850

 213.0500, 0.4515,


 0.0000, 1.0000,


0.3881


0.0000


 258.8033, 0.4432,
0.3857


 0.0000, 0.0000,
0.0000

 31.9033, 0.5512,
0.4005


 31.9033, 0.5512,
0.4005


 31.8879, 0.5513,
0.4005

 35.1592, 0.5304,
0.4083

 38.9290, 0.5054,
0.4110

 43.2560, 0.4774,
0.4084

 48.1704, 0.4483,
0.4013

 53.6994, 0.4199,
0.3911

■ 59.8680, 0.3933,
0.3791

■ 66.6992, 0.3692,
0.3662

■ 74.2147, 0.3478,
0.3533

■ 82.4353, 0.3290,
0.3408

Harmonies

Analogous

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



31.9033, 0.5514, 0.3213



31.9033, 0.5512, 0.4005



31.9033, 0.4795, 0.4899

Triad

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



31.9033, 0.5512, 0.4005



31.9033, 0.1686, 0.4134



31.9033, 0.2080, 0.1581

Complementary

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



31.9033, 0.5512, 0.4005



22.3401, 0.1789, 0.1641

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.



31.9033, 0.1419, 0.1538



31.9033, 0.5512, 0.4005



31.9033, 0.1207, 0.2652

Square

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



31.9033, 0.5512, 0.4005



31.9033, 0.2621, 0.5548



31.9033, 0.1144, 0.1837



31.9033, 0.3205, 0.1913

Rectangle

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



31.9033, 0.5512, 0.4005



31.9033, 0.4112, 0.5464



31.9033, 0.1144, 0.1837



31.9033, 0.1810, 0.1534

Sweetspot

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



31.9051, 0.5512, 0.4005



72.9383, 0.3695, 0.3664



21.0510, 0.4852, 0.2447



14.9169, 0.3793, 0.3719



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.



31.9051, 0.5512, 0.4005



34.8469, 0.5516, 0.4002



79.9029, 0.4253, 0.5005



17.7755, 0.3282, 0.3402



17.4481, 0.5487, 0.4026



1.7377, 0.5283, 0.4187

Inverse Universe

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



22.3401, 0.1789, 0.1641



24.3705, 0.1788, 0.1637



6.7750, 0.1504, 0.0615



17.3721, 0.2980, 0.3175



12.3027, 0.1797, 0.1668



1.2871, 0.1857, 0.1885

Previews

White Background



This preview shows how the Yxy color 31.9033, 0.5512, 0.4005 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 31.9033, 0.5512, 0.4005 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 ✓ Pass

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

Yxy 31.9033, 0.5512, 0.4005

Background



This preview shows how black text looks on a background with the Yxy color 31.9033, 0.5512, 0.4005.



This preview shows how white text looks on a background with the Yxy color 31.9033, 0.5512, 0.4005.

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

31.9033, 0.5512, 0.4005

Protanopia

32.0534, 0.4357, 0.4827

Deuteranopia

32.0271, 0.4713, 0.4640



Tritanopia

31.9194, 0.4765, 0.3225

Trichromacy



Original Color

31.9033, 0.5512, 0.4005

Protanomaly

30.9300, 0.4813, 0.4510

Deuteranomaly

31.4741, 0.5032, 0.4387

Tritanomaly

31.6241, 0.5207, 0.3639

Monochromacy



Original Color

31.9033, 0.5512, 0.4005

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.8244, 0.4167, 0.3896

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9033, 0.5512, 0.4005 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, 116, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 116, 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(245, 116, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 116, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.9033, 0.5512, 0.4005 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, 116, 0) }
```

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

```
.border{ border-color:rgb(245, 116, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 116, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 116, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 116, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 116,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9033, 0.5512, 0.4005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 116, 0) }
```

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

```
.background{ background-color: rgb(245,  
116, 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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