

Converting Colors

$Y_{xy}(31.5009, 0.5398, 0.3894)$

Have a look what the booklet for
Yxy(31.5009, 0.5398, 0.3894)
contains.

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Color

Yxy(31.6410, 0.5397, 0.3898)

Conversions

Conversions Part 1

Format	Color
Hex	F47327
RGB	244, 115, 39
RGB Percent	96%, 45%, 15%
CMY	0.0431, 0.5490, 0.8468
CMYK	0.00, 0.53, 0.84, 0.04
HSL	22°, 90%, 56%
HSV	22°, 84%, 96%
XYZ	43.8087, 31.6410, 5.7227
YIQ	144.9070, 101.2800, 3.7120

Conversions

Conversions Part 2

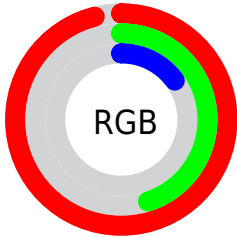
Format	Color
R _Y B	244, 160, 39
Decimal	16020263
CIE Lab	63.05, 45.52, 61.37
CIE LCh	63, 76.406, 53.436
Yxy	31.6410, 0.5397, 0.3898
Android (android.graphics.Color)	4294210343 (0xFFFF47327)
YUV	144.9070, -52.2122, 86.9046
Hunter-Lab	56.2503, 40.5808, 33.3433

Details

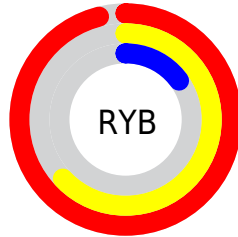
The Yxy color **31.6410, 0.5397, 0.3898** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **34.9962, 0.1988, 0.2231**, and the grayscale version is **28.4639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4086, 0.4604, 0.4046**, and **13.1485, 0.5845, 0.3741** is the 20% darker color. If you saturate the color by 10%, you get **28.3135, 0.5670, 0.3830**, and if you desaturate by 10%, it is **35.6595, 0.5076, 0.3913**.

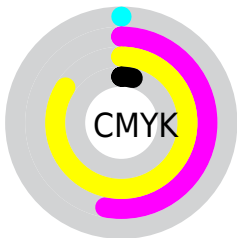
Distribution



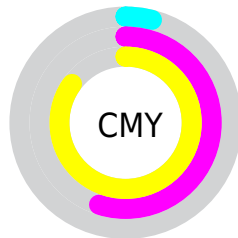
- Red (96%)
- Green (45%)
- Blue (15%)



- Red (96%)
- Yellow (63%)
- Blue (15%)



- Cyan (0%)
- Magenta (53%)
- Yellow (84%)
- Black (4%)





- Cyan (4%)
- Magenta (55%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.6410, 0.5397, 0.3898 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 31.6410, 0.5397, 0.3898 by changing the saturation by 10% instead.


 31.6410, 0.5397,
0.3898


 31.6410, 0.5397,
0.3898


309.4806, 0.4260,
0.3737

 21.0874, 0.5645,
0.3875


 62.2479, 0.5003,
0.3885

 13.1879, 0.5931,
0.3809


 83.0700, 0.4848,
0.3866

 7.5581, 0.6305,
0.3695


 108.0837, 0.4714,
0.3844

 3.8135, 0.6609,
0.3391

 137.6734, 0.4599,
0.3821

 1.5698, 0.7067,
0.2933

 172.2236, 0.4497,
0.3799

 0.3371, 0.8242,
0.1758

 212.1186, 0.4409,

 0.0000, 1.0000,

0.3777

0.0000

257.7428, 0.4330,
0.3757

■ 0.0000, 0.0000,
0.0000

■ 31.6410, 0.5397,
0.3898

■ 31.6410, 0.5397,
0.3898

■ 28.3135, 0.5670,
0.3830

■ 35.6595, 0.5076,
0.3913


■ 26.6168, 0.5808,
0.3770


■ 40.4080, 0.4735,
0.3881


■ 45.9274, 0.4402,
0.3814


■ 52.2538, 0.4093,
0.3725

■ 59.4207, 0.3817,
0.3626

 67.4592, 0.3575,
0.3523

 76.3990, 0.3368,
0.3422

 86.2682, 0.3190,
0.3326

 96.8551, 0.3060,
0.3273

Harmonies

Analogous

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



31.6410, 0.5244, 0.3148



31.6410, 0.5397, 0.3898



31.6410, 0.4837, 0.4717

Triad

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



31.6410, 0.5397, 0.3898



31.6410, 0.1908, 0.4276



31.6410, 0.2044, 0.1664

Complementary

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



31.6410, 0.5397, 0.3898



34.9962, 0.1988, 0.2231

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.



31.6410, 0.1468, 0.1670



31.6410, 0.5397, 0.3898



31.6410, 0.1373, 0.2884

Square

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



31.6410, 0.5397, 0.3898



31.6410, 0.2838, 0.5419



31.6410, 0.1251, 0.2024



31.6410, 0.3035, 0.1943

Rectangle

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



31.6410, 0.5397, 0.3898



31.6410, 0.4234, 0.5230



31.6410, 0.1251, 0.2024



31.6410, 0.1807, 0.1633

Sweetspot

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



31.6428, 0.5397, 0.3898



73.5677, 0.3600, 0.3534



23.5492, 0.4170, 0.2173



15.0608, 0.3682, 0.3570



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.



31.6428, 0.5397, 0.3898



29.3516, 0.5812, 0.3767



68.8444, 0.4359, 0.4808



17.4882, 0.3284, 0.3378



14.7108, 0.5779, 0.3793



1.4827, 0.5543, 0.3981

Inverse Universe

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



34.9962, 0.1988, 0.2231



32.5412, 0.1890, 0.2002



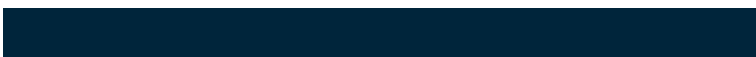
10.9064, 0.1640, 0.0934



17.6654, 0.2980, 0.3200



16.3155, 0.1897, 0.2028



1.6302, 0.1945, 0.2203

Previews

White Background



This preview shows how the Yxy color 31.6410, 0.5397, 0.3898 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 31.6410, 0.5397, 0.3898 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 31.6410, 0.5397, 0.3898

Background



This preview shows how black text looks on a background with the Yxy color 31.6410, 0.5397, 0.3898.



This preview shows how white text looks on a background with the Yxy color 31.6410, 0.5397, 0.3898.

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

31.6410, 0.5397, 0.3898

Protanopia

31.6621, 0.4232, 0.4663

Deuteranopia

31.6542, 0.4664, 0.4574



Tritanopia

31.7371, 0.4756, 0.3224

Trichromacy



Original Color

31.6410, 0.5397, 0.3898

Protanomaly

30.6605, 0.4692, 0.4360

Deuteranomaly

31.1360, 0.4964, 0.4306

Tritanomaly

31.6498, 0.5057, 0.3525

Monochromacy



Original Color

31.6410, 0.5397, 0.3898

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

27.9146, 0.3996, 0.3696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6410, 0.5397, 0.3898 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, 115, 39)` looks like.

```
.text, #text, p{  
    color:rgb(244, 115, 39)  
}
```

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, 115, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 115, 39) }
```

Border

The CSS property to change the border of an element to Yxy 31.6410, 0.5397, 0.3898 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, 115, 39) }
```

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

```
.border{ border-color:rgb(244, 115, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 115, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 115, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 115, 39);  
box-shadow:4px 4px 4px 4px rgb(244, 115,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6410, 0.5397, 0.3898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 115, 39) }
```

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

```
.background{ background-color: rgb(244,  
115, 39) }
```

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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