

Converting Colors

$Y_{xy}(31.6557, 0.5386, 0.3859)$

Have a look what the booklet for
Yxy(31.6557, 0.5386, 0.3859)
contains.

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Color

Yxy(31.6290, 0.5387, 0.3861)

Conversions

Conversions Part 1

Format	Color
Hex	F5722C
RGB	245, 114, 44
RGB Percent	96%, 45%, 17%
CMY	0.0392, 0.5529, 0.8275
CMYK	0.00, 0.53, 0.82, 0.04
HSL	21°, 91%, 57%
HSV	21°, 82%, 96%
XYZ	44.1299, 31.6290, 6.1603
YIQ	145.1890, 100.5460, 6.0020

Conversions

Conversions Part 2

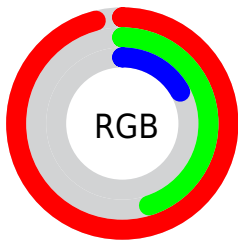
Format	Color
R _Y B	245, 151, 44
Decimal	16085548
CIE Lab	63.04, 46.50, 59.49
CIE LCh	63, 75.506, 51.986
Yxy	31.6290, 0.5387, 0.3861
Android (android.graphics.Color)	4294275628 (0xFFFF5722C)
YUV	145.1890, -49.8862, 87.5342
Hunter-Lab	56.2397, 41.6451, 32.8733

Details

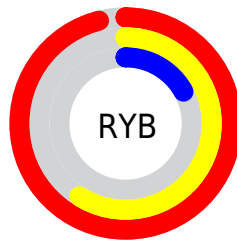
The Yxy color **31.6290, 0.5387, 0.3861** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **37.7839, 0.2020, 0.2324**, and the grayscale version is **28.5729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1098, 0.4582, 0.4003**, and **13.1612, 0.5865, 0.3725** is the 20% darker color. If you saturate the color by 10%, you get **28.2045, 0.5680, 0.3800**, and if you desaturate by 10%, it is **35.7943, 0.5049, 0.3870**.

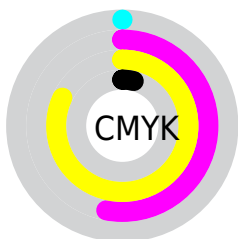
Distribution



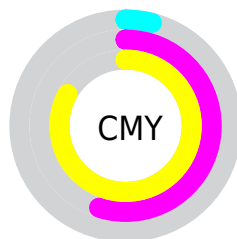
- Red (96%)
- Green (45%)
- Blue (17%)



- Red (96%)
- Yellow (59%)
- Blue (17%)



- Cyan (0%)
- Magenta (53%)
- Yellow (82%)
- Black (4%)




- Cyan (4%)
- Magenta (55%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6290, 0.5387, 0.3861 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 31.6290, 0.5387, 0.3861 by changing the saturation by 10% instead.


 31.6290, 0.5387,
0.3861


 31.6290, 0.5387,
0.3861


309.4257, 0.4249,
0.3713

 21.0783, 0.5639,
0.3838


 62.2290, 0.4990,
0.3850


 13.1812, 0.5933,
0.3773


 83.0471, 0.4835,
0.3833


 7.5535, 0.6332,
0.3668


 108.0565, 0.4701,
0.3812

 3.8106, 0.6640,
0.3360

 137.6415, 0.4585,
0.3791

 1.5682, 0.7103,
0.2897

 172.1865, 0.4485,
0.3771

 0.3360, 0.8278,
0.1722

 212.0759, 0.4396,

 0.0000, 1.0000,

0.3750

0.0000

257.6942, 0.4318,
0.3731

■ 0.0000, 0.0000,
0.0000

■ 31.6290, 0.5387,
0.3861

■ 31.6290, 0.5387,
0.3861

■ 28.2045, 0.5680,
0.3800

■ 35.7943, 0.5049,
0.3870


■ 25.9641, 0.5868,
0.3722

■ 40.7421, 0.4698,
0.3835


■ 46.5163, 0.4358,
0.3768


■ 53.1556, 0.4048,
0.3682

■ 60.6961, 0.3773,
0.3587

 69.1714, 0.3535,
0.3490

 78.6136, 0.3332,
0.3396

 89.0529, 0.3159,
0.3307

 98.1537, 0.3066,
0.3290

Harmonies

Analogous

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



31.6290, 0.5192, 0.3118



31.6290, 0.5387, 0.3861



31.6290, 0.4863, 0.4670

Triad

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



31.6290, 0.5387, 0.3861



31.6290, 0.1959, 0.4334



31.6290, 0.2017, 0.1671

Complementary

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



31.6290, 0.5387, 0.3861



37.7839, 0.2020, 0.2324

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.



31.6290, 0.1464, 0.1692



31.6290, 0.5387, 0.3861



31.6290, 0.1405, 0.2947

Square

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



31.6290, 0.5387, 0.3861



31.6290, 0.2896, 0.5418



31.6290, 0.1264, 0.2066



31.6290, 0.2981, 0.1935

Rectangle

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



31.6290, 0.5387, 0.3861



31.6290, 0.4276, 0.5182



31.6290, 0.1264, 0.2066



31.6290, 0.1789, 0.1645

Sweetspot

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



31.6308, 0.5387, 0.3861



72.8502, 0.3603, 0.3519



24.4283, 0.4038, 0.2117



14.8917, 0.3686, 0.3554



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.



31.6308, 0.5387, 0.3861



28.9502, 0.5827, 0.3740



66.4344, 0.4397, 0.4748



17.4265, 0.3285, 0.3373



14.2199, 0.5839, 0.3746



1.4347, 0.5599, 0.3936

Inverse Universe

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



37.7839, 0.2020, 0.2324



35.2425, 0.1922, 0.2109



12.5046, 0.1678, 0.1038



17.7294, 0.2980, 0.3206



17.3023, 0.1919, 0.2107



1.7126, 0.1965, 0.2273

Previews

White Background



This preview shows how the Yxy color 31.6290, 0.5387, 0.3861 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 31.6290, 0.5387, 0.3861 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 31.6290, 0.5387, 0.3861

Background



This preview shows how black text looks on a background with the Yxy color 31.6290, 0.5387, 0.3861.



This preview shows how white text looks on a background with the Yxy color 31.6290, 0.5387, 0.3861.

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

31.6290, 0.5387, 0.3861

Protanopia

31.7067, 0.4203, 0.4619

Deuteranopia

31.6872, 0.4640, 0.4542



Tritanopia

31.6868, 0.4784, 0.3225

Trichromacy



Original Color

31.6290, 0.5387, 0.3861

Protanomaly

30.7013, 0.4662, 0.4324

Deuteranomaly

31.1746, 0.4934, 0.4273

Tritanomaly

31.6473, 0.5052, 0.3496

Monochromacy



Original Color

31.6290, 0.5387, 0.3861

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

27.9567, 0.3973, 0.3667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6290, 0.5387, 0.3861 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, 114, 44)` looks like.

```
.text, #text, p{  
    color:rgb(245, 114, 44)  
}
```

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, 114, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 114, 44) }
```

Border

The CSS property to change the border of an element to Yxy 31.6290, 0.5387, 0.3861 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, 114, 44) }
```

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

```
.border{ border-color:rgb(245, 114, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 114, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 114, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 114, 44);  
box-shadow:4px 4px 4px 4px rgb(245, 114,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6290, 0.5387, 0.3861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 114, 44) }
```

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

```
.background{ background-color: rgb(245,  
114, 44) }
```

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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