

Converting Colors

$Y_{xy}(30.7990, 0.5383, 0.3998)$

Have a look what the booklet for
Yxy(30.7990, 0.5383, 0.3998)
contains.

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Color

Yxy(30.8062, 0.5381, 0.3996)

Conversions

Conversions Part 1

Format	Color
Hex	ED751B
RGB	237, 117, 27
RGB Percent	93%, 46%, 11%
CMY	0.0706, 0.5411, 0.8937
CMYK	0.00, 0.51, 0.89, 0.07
HSL	26°, 85%, 52%
HSV	26°, 89%, 93%
XYZ	41.4835, 30.8062, 4.8029
YIQ	142.6200, 100.4100, -2.5500

Conversions

Conversions Part 2

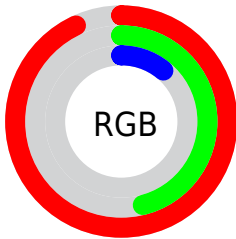
Format	Color
R _{YB}	237, 185, 27
Decimal	15562011
CIE Lab	62.34, 41.58, 64.41
CIE LCh	62, 76.666, 57.154
Yxy	30.8062, 0.5381, 0.3996
Android (android.graphics.Color)	4293752091 (0xFFED751B)
YUV	142.6200, -57.0007, 82.7713
Hunter-Lab	55.5033, 36.2811, 33.7218

Details

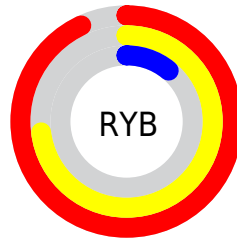
The Yxy color **30.8062, 0.5381, 0.3996** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **27.2433, 0.1906, 0.1982**, and the grayscale version is **27.5163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.0104, 0.4649, 0.4134**, and **12.7793, 0.5762, 0.3807** is the 20% darker color. If you saturate the color by 10%, you get **27.8035, 0.5610, 0.3916**, and if you desaturate by 10%, it is **34.3547, 0.5104, 0.4024**.

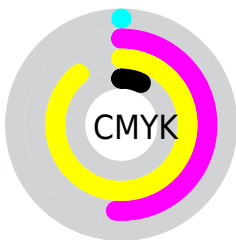
Distribution



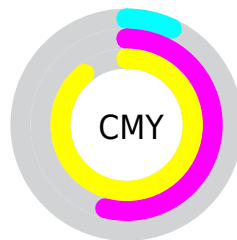
- Red (93%)
- Green (46%)
- Blue (11%)



- Red (93%)
- Yellow (73%)
- Blue (11%)



- Cyan (0%)
- Magenta (51%)
- Yellow (89%)
- Black (7%)




- Cyan (7%)
- Magenta (54%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8062, 0.5381, 0.3996 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 30.8062, 0.5381, 0.3996 by changing the saturation by 10% instead.


 30.8062, 0.5381,
0.3996


 30.8062, 0.5381,
0.3996


305.6445, 0.4261,
0.3793


 20.4513, 0.5618,
0.3978


 60.9348, 0.4998,
0.3971


 12.7235, 0.5896,
0.3919


 81.4774, 0.4845,
0.3947


 7.2384, 0.6213,
0.3787


 106.1846, 0.4713,
0.3920

 3.6117, 0.6508,
0.3492

 135.4408, 0.4598,
0.3892

 1.4588, 0.6959,
0.3041

 169.6306, 0.4497,
0.3865


 0.2595, 0.8373,
0.1627

 209.1382, 0.4409,

 0.0000, 1.0000,

0.3840


0.0000

 254.3480, 0.4331,
0.3816


 0.0000, 0.0000,
0.0000

 30.8062, 0.5381,
0.3996

 30.8062, 0.5381,
0.3996


 27.8035, 0.5610,
0.3916

 34.3547, 0.5104,
0.4024


 27.4110, 0.5642,
0.3902


 38.4831, 0.4798,
0.4000

 43.2247, 0.4487,
0.3934


 48.6080, 0.4189,
0.3839

 54.6593, 0.3914,
0.3729

 61.4032, 0.3669,
0.3611

 68.8629, 0.3453,
0.3494

 77.0603, 0.3266,
0.3381

 86.0163, 0.3105,
0.3275

Harmonies

Analogous

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



30.8062, 0.5336, 0.3232



30.8062, 0.5381, 0.3996



30.8062, 0.4745, 0.4828

Triad

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



30.8062, 0.5381, 0.3996



30.8062, 0.1802, 0.4100



30.8062, 0.2133, 0.1670

Complementary

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



30.8062, 0.5381, 0.3996



27.2433, 0.1906, 0.1982

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.



30.8062, 0.1504, 0.1637



30.8062, 0.5381, 0.3996



30.8062, 0.1321, 0.2735

Square

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



30.8062, 0.5381, 0.3996



30.8062, 0.2701, 0.5363



30.8062, 0.1245, 0.1942



30.8062, 0.3184, 0.1984

Rectangle

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



30.8062, 0.5381, 0.3996



30.8062, 0.4114, 0.5329



30.8062, 0.1245, 0.1942



30.8062, 0.1877, 0.1626

Sweetspot

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



30.8079, 0.5381, 0.3996



73.7399, 0.3635, 0.3594



20.9792, 0.4418, 0.2272



15.1700, 0.3715, 0.3635



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.



30.8079, 0.5381, 0.3996



32.2461, 0.5648, 0.3897



69.0084, 0.4304, 0.4902



16.1150, 0.3282, 0.3391



15.2152, 0.5613, 0.3925



1.3822, 0.5370, 0.4118

Inverse Universe

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



27.2433, 0.1906, 0.1982



27.7074, 0.1832, 0.1794



8.1946, 0.1577, 0.0775



15.9785, 0.2981, 0.3187



13.1381, 0.1841, 0.1826



1.2220, 0.1902, 0.2047

Previews

White Background



This preview shows how the Yxy color 30.8062, 0.5381, 0.3996 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 30.8062, 0.5381, 0.3996 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 30.8062, 0.5381, 0.3996

Background



This preview shows how black text looks on a background with the Yxy color 30.8062, 0.5381, 0.3996.



This preview shows how white text looks on a background with the Yxy color 30.8062, 0.5381, 0.3996.

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

30.8062, 0.5381, 0.3996

Protanopia

31.1299, 0.4297, 0.4756

Deuteranopia

30.7213, 0.4722, 0.4633



Tritanopia

30.7469, 0.4658, 0.3210

Trichromacy



Original Color

30.8062, 0.5381, 0.3996

Protanomaly

30.0444, 0.4714, 0.4460

Deuteranomaly

30.4820, 0.4983, 0.4391

Tritanomaly

30.5792, 0.5023, 0.3573

Monochromacy



Original Color

30.8062, 0.5381, 0.3996

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.3369, 0.4006, 0.3776

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8062, 0.5381, 0.3996 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(237, 117, 27)` looks like.

```
.text, #text, p{  
    color:rgb(237, 117, 27)  
}
```

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(237, 117, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 117, 27) }
```

Border

The CSS property to change the border of an element to Yxy 30.8062, 0.5381, 0.3996 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(237, 117, 27) }
```

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

```
.border{ border-color:rgb(237, 117, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 117, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 117, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 117, 27);  
box-shadow:4px 4px 4px 4px rgb(237, 117,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8062, 0.5381, 0.3996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 117, 27) }
```

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

```
.background{ background-color: rgb(237,  
117, 27) }
```

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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