

Converting Colors

$Y_{xy}(30.9258, 0.5379, 0.4074)$

Have a look what the booklet for
Yxy(30.9258, 0.5379, 0.4074)
contains.

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Color

Yxy(31.1217, 0.5375, 0.4076)

Conversions

Conversions Part 1

Format	Color
Hex	EB780C
RGB	235, 120, 12
RGB Percent	92%, 47%, 5%
CMY	0.0785, 0.5293, 0.9529
CMYK	0.00, 0.49, 0.95, 0.08
HSL	29°, 90%, 48%
HSV	29°, 95%, 92%
XYZ	41.0400, 31.1217, 4.1918
YIQ	142.0730, 103.2080, -9.2080

Conversions

Conversions Part 2

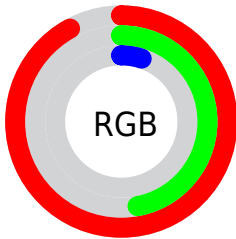
Format	Color
R _Y B	235, 221, 12
Decimal	15431692
CIE Lab	62.61, 39.08, 68.00
CIE LCh	63, 78.431, 60.117
Yxy	31.1217, 0.5375, 0.4076
Android (android.graphics.Color)	4293621772 (0xFFEB780C)
YUV	142.0730, -64.1260, 81.4970
Hunter-Lab	55.7868, 33.6880, 34.5957

Details

The Yxy color **31.1217, 0.5375, 0.4076** 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 **21.2466, 0.1812, 0.1693**, and the grayscale version is **27.3113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.0401, 0.4673, 0.4219**, and **13.0269, 0.5684, 0.3869** is the 20% darker color. If you saturate the color by 10%, you get **29.6554, 0.5476, 0.4034**, and if you desaturate by 10%, it is **34.3227, 0.5151, 0.4128**.

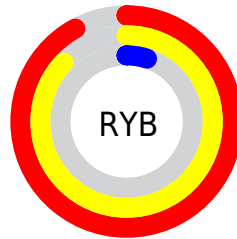
Distribution



Red (92%)

Green (47%)

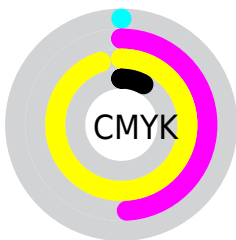
Blue (5%)



Red (92%)

Yellow (87%)

Blue (5%)

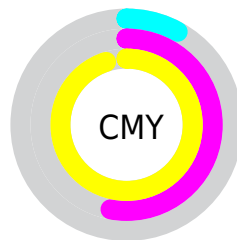


Cyan (0%)

Magenta (49%)

Yellow (95%)

Black (8%)



Cyan (8%)


Magenta (53%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1217, 0.5375, 0.4076 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 31.1217, 0.5375, 0.4076 by changing the saturation by 10% instead.

 31.1217, 0.5375,
0.4076


 31.1217, 0.5375,
0.4076


307.0986, 0.4275,
0.3844


 20.6915, 0.5600,
0.4060


 61.4316, 0.5005,
0.4044


 12.8987, 0.5870,
0.4011

 82.0802, 0.4855,
0.4016


 7.3588, 0.6135,
0.3865


 106.9036, 0.4724,
0.3985

 3.6875, 0.6415,
0.3585

 136.2864, 0.4611,
0.3954

 1.5003, 0.6846,
0.3154

 170.6129, 0.4511,
0.3924

 0.2890, 0.8171,
0.1829

 210.2675, 0.4423,

 0.0000, 1.0000,


0.3896

0.0000


 255.6346, 0.4345,
0.3869

 0.0000, 0.0000,
0.0000


 31.1217, 0.5375,
0.4076


 31.1217, 0.5375,
0.4076


 29.6554, 0.5476,
0.4034


 34.3227, 0.5151,
0.4128

 37.9974, 0.4889,
0.4123


 42.1759, 0.4607,
0.4070

 46.8831, 0.4324,
0.3979

 52.1414, 0.4053,
0.3864

 57.9718, 0.3802,
0.3735

 64.3936, 0.3577,
0.3603

 71.4254, 0.3378,
0.3473

 79.0845, 0.3204,
0.3348

Harmonies

Analogous

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



31.1217, 0.5419, 0.3298



31.1217, 0.5375, 0.4076



31.1217, 0.4674, 0.4925

Triad

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



31.1217, 0.5375, 0.4076



31.1217, 0.1709, 0.3962



31.1217, 0.2202, 0.1667

Complementary

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



31.1217, 0.5375, 0.4076



21.2466, 0.1812, 0.1693

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.



31.1217, 0.1526, 0.1604



31.1217, 0.5375, 0.4076



31.1217, 0.1271, 0.2614

Square

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



31.1217, 0.5375, 0.4076



31.1217, 0.2585, 0.5325



31.1217, 0.1231, 0.1871



31.1217, 0.3308, 0.2011

Rectangle

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



31.1217, 0.5375, 0.4076



31.1217, 0.4017, 0.5421



31.1217, 0.1231, 0.1871



31.1217, 0.1929, 0.1613

Sweetspot

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



31.1234, 0.5375, 0.4076



74.9438, 0.3647, 0.3646



19.4603, 0.4804, 0.2445



15.3265, 0.3745, 0.3703



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.



31.1234, 0.5375, 0.4076



35.5565, 0.5483, 0.4029



74.9876, 0.4213, 0.5017



16.2584, 0.3281, 0.3404



16.7605, 0.5451, 0.4054



1.5080, 0.5231, 0.4229

Inverse Universe

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



21.2466, 0.1812, 0.1693



23.5806, 0.1777, 0.1598



6.4378, 0.1521, 0.0639



15.8335, 0.2981, 0.3173



11.2281, 0.1787, 0.1632



1.0743, 0.1855, 0.1877

Previews

White Background



This preview shows how the Yxy color 31.1217, 0.5375, 0.4076 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 31.1217, 0.5375, 0.4076 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 31.1217, 0.5375, 0.4076

Background



This preview shows how black text looks on a background with the Yxy color 31.1217, 0.5375, 0.4076.



This preview shows how white text looks on a background with the Yxy color 31.1217, 0.5375, 0.4076.

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

31.1217, 0.5375, 0.4076

Protanopia

31.1803, 0.4352, 0.4814

Deuteranopia

31.1530, 0.4719, 0.4635



Tritanopia

31.2710, 0.4605, 0.3220

Trichromacy



Original Color

31.1217, 0.5375, 0.4076

Protanomaly

30.2760, 0.4749, 0.4528

Deuteranomaly

30.7466, 0.4981, 0.4413

Tritanomaly

31.0178, 0.5029, 0.3642

Monochromacy



Original Color

31.1217, 0.5375, 0.4076

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.1065, 0.4062, 0.3864

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1217, 0.5375, 0.4076 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(235, 120, 12)` looks like.

```
.text, #text, p{  
    color:rgb(235, 120, 12)  
}
```

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(235, 120, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 120, 12) }
```

Border

The CSS property to change the border of an element to Yxy 31.1217, 0.5375, 0.4076 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(235, 120, 12) }
```

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

```
.border{ border-color:rgb(235, 120, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 120, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 120, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 120, 12);  
box-shadow:4px 4px 4px 4px rgb(235, 120,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1217, 0.5375, 0.4076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 120, 12) }
```

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

```
.background{ background-color: rgb(235,  
120, 12) }
```

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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