

Converting Colors

$Y_{xy}(29.9783, 0.5344, 0.4075)$

Have a look what the booklet for
Yxy(29.9783, 0.5344, 0.4075)
contains.

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Color

Yxy(30.0603, 0.5338, 0.4079)

Conversions

Conversions Part 1

Format	Color
Hex	E67712
RGB	230, 119, 18
RGB Percent	90%, 47%, 7%
CMY	0.0980, 0.5333, 0.9298
CMYK	0.00, 0.48, 0.92, 0.10
HSL	29°, 86%, 49%
HSV	29°, 92%, 90%
XYZ	39.3385, 30.0603, 4.2964
YIQ	140.6750, 98.5770, -7.8790

Conversions

Conversions Part 2

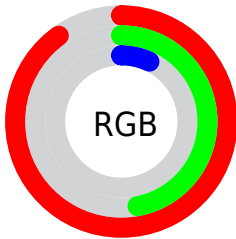
Format	Color
R _Y B	230, 211, 18
Decimal	15103762
CIE Lab	61.71, 37.68, 65.89
CIE LCh	62, 75.899, 60.237
Yxy	30.0603, 0.5338, 0.4079
Android (android.graphics.Color)	4293293842 (0xFFE67712)
YUV	140.6750, -60.4788, 78.3380
Hunter-Lab	54.8273, 32.1259, 33.7329

Details

The Yxy color **30.0603, 0.5338, 0.4079** 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 **21.5116, 0.1838, 0.1767**, and the grayscale version is **26.7113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6830, 0.4670, 0.4196**, and **12.3497, 0.5664, 0.3885** is the 20% darker color. If you saturate the color by 10%, you get **27.8980, 0.5497, 0.4017**, and if you desaturate by 10%, it is **33.2267, 0.5099, 0.4117**.

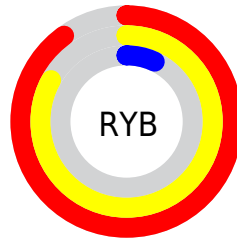
Distribution



Red (90%)

Green (47%)

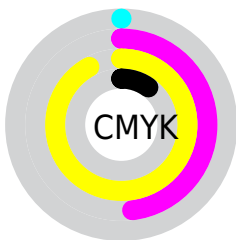
Blue (7%)



Red (90%)

Yellow (83%)

Blue (7%)

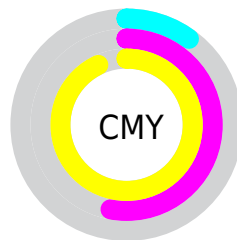


Cyan (0%)

Magenta (48%)

Yellow (92%)

Black (10%)



Cyan (10%)


Magenta (53%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0603, 0.5338, 0.4079 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 30.0603, 0.5338, 0.4079 by changing the saturation by 10% instead.


 30.0603, 0.5338,
0.4079

 30.0603, 0.5338,
0.4079


302.1854, 0.4244,
0.3834

 19.8844, 0.5566,
0.4068


 59.7575, 0.4966,
0.4041

 12.3110, 0.5839,
0.4024


 80.0476, 0.4817,
0.4010

 6.9559, 0.6116,
0.3884


 104.4778, 0.4688,
0.3978

 3.4345, 0.6398,
0.3602

 133.4327, 0.4575,
0.3946

 1.3626, 0.6839,
0.3161

 167.2964, 0.4476,
0.3916


 0.1889, 0.8564,
0.1436


 206.4535, 0.4390,


 0.0000, 1.0000,


0.3887


0.0000


 251.2884, 0.4313,
0.3859


 0.0000, 0.0000,
0.0000


 30.0603, 0.5338,
0.4079


 30.0603, 0.5338,
0.4079


 27.8980, 0.5497,
0.4017

 33.2267, 0.5099,
0.4117

 36.8608, 0.4826,
0.4100

 40.9904, 0.4538,
0.4036

 45.6392, 0.4254,
0.3939

 50.8285, 0.3986,
0.3821

■ 56.5783, 0.3741,
0.3693

■ 62.9071, 0.3522,
0.3563

■ 69.8327, 0.3329,
0.3436

■ 77.3718, 0.3161,
0.3316

Harmonies

Analogous

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



30.0603, 0.5376, 0.3308



30.0603, 0.5338, 0.4079



30.0603, 0.4654, 0.4910

Triad

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



30.0603, 0.5338, 0.4079



30.0603, 0.1734, 0.3943



30.0603, 0.2223, 0.1691

Complementary

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



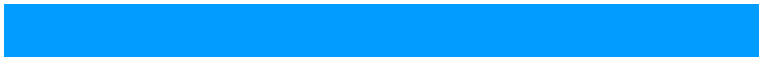
30.0603, 0.5338, 0.4079



21.5116, 0.1838, 0.1767

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.



30.0603, 0.1553, 0.1629



30.0603, 0.5338, 0.4079



30.0603, 0.1299, 0.2627

Square

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



30.0603, 0.5338, 0.4079



30.0603, 0.2597, 0.5271



30.0603, 0.1259, 0.1894



30.0603, 0.3312, 0.2033

Rectangle

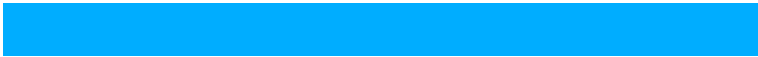
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.0603, 0.5338, 0.4079



30.0603, 0.4009, 0.5388



30.0603, 0.1259, 0.1894



30.0603, 0.1953, 0.1638

Sweetspot

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



30.0619, 0.5338, 0.4079



74.6588, 0.3649, 0.3640



18.8914, 0.4676, 0.2391



15.2586, 0.3747, 0.3697



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.



30.0619, 0.5338, 0.4079



35.0716, 0.5506, 0.4011



69.6040, 0.4234, 0.4986



15.4957, 0.3281, 0.3402



16.0359, 0.5471, 0.4038



1.3700, 0.5236, 0.4224

Inverse Universe

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



21.5116, 0.1838, 0.1767



24.1154, 0.1785, 0.1624



6.5346, 0.1538, 0.0675



15.1290, 0.2981, 0.3175



11.1348, 0.1795, 0.1660



1.0086, 0.1866, 0.1915

Previews

White Background



This preview shows how the Yxy color 30.0603, 0.5338, 0.4079 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 30.0603, 0.5338, 0.4079 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 30.0603, 0.5338, 0.4079

Background



This preview shows how black text looks on a background with the Yxy color 30.0603, 0.5338, 0.4079.



This preview shows how white text looks on a background with the Yxy color 30.0603, 0.5338, 0.4079.

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

30.0603, 0.5338, 0.4079

Protanopia

30.2167, 0.4333, 0.4804

Deuteranopia

30.1648, 0.4715, 0.4639



Tritanopia

30.1693, 0.4574, 0.3218

Trichromacy



Original Color

30.0603, 0.5338, 0.4079

Protanomaly

29.6076, 0.4719, 0.4524

Deuteranomaly

29.9029, 0.4952, 0.4425

Tritanomaly

29.9675, 0.4975, 0.3623

Monochromacy



Original Color

30.0603, 0.5338, 0.4079

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.5038, 0.4022, 0.3844

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0603, 0.5338, 0.4079 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(230, 119, 18)` looks like.

```
.text, #text, p{  
    color:rgb(230, 119, 18)  
}
```

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(230, 119, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 119, 18) }
```

Border

The CSS property to change the border of an element to Yxy 30.0603, 0.5338, 0.4079 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(230, 119, 18) }
```

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

```
.border{ border-color:rgb(230, 119, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 119, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 119, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 119, 18);  
box-shadow:4px 4px 4px 4px rgb(230, 119,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0603, 0.5338, 0.4079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 119, 18) }
```

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

```
.background{ background-color: rgb(230,  
119, 18) }
```

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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