

Converting Colors

$Y_{xy}(28.4755, 0.5512, 0.4006)$

Have a look what the booklet for
Yxy(28.4755, 0.5512, 0.4006)
contains.

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Color

Yxy(28.4755, 0.5512, 0.4006)

Conversions

Conversions Part 1

Format	Color
Hex	E96E00
RGB	233, 110, 0
RGB Percent	91%, 43%, 0%
CMY	0.0863, 0.5686, 1.0000
CMYK	0.00, 0.53, 1.00, 0.09
HSL	28°, 100%, 46%
HSV	28°, 100%, 91%
XYZ	39.1805, 28.4755, 3.4262
YIQ	134.2370, 108.6180, -8.1340

Conversions

Conversions Part 2

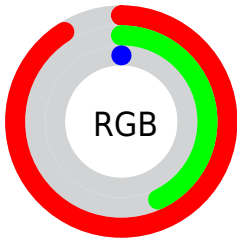
Format	Color
R _Y B	233, 208, 0
Decimal	15298048
CIE Lab	60.32, 43.17, 68.44
CIE LCh	60, 80.916, 57.757
Yxy	28.4755, 0.5512, 0.4006
Android (android.graphics.Color)	4293488128 (0xFFE96E00)
YUV	134.2370, -66.1788, 86.6152
Hunter-Lab	53.3624, 37.6763, 33.5470

Details

The Yxy color **28.4755, 0.5512, 0.4006** 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 **20.0486, 0.1791, 0.1648**, and the grayscale version is **24.1520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2283, 0.4805, 0.4171**, and **11.5722, 0.5846, 0.3740** is the 20% darker color. If you saturate the color by 10%, you get **28.4775, 0.5512, 0.4006**, and if you desaturate by 10%, it is **31.3817, 0.5302, 0.4082**.

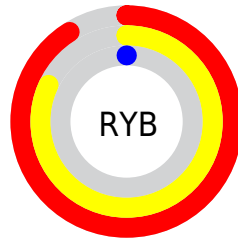
Distribution



Red (91%)

Green (43%)

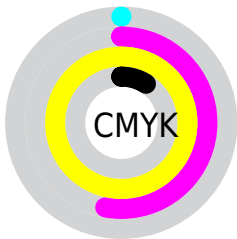
Blue (0%)



Red (91%)

Yellow (82%)

Blue (0%)

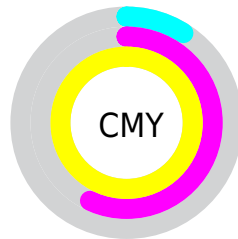


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (9%)



Cyan (9%)

Magenta (57%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4755, 0.5512, 0.4006 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 28.4755, 0.5512, 0.4006 by changing the saturation by 10% instead.


 28.4755, 0.5512,
0.4006


 28.4755, 0.5512,
0.4006


294.7321, 0.4335,
0.3827


 18.6844, 0.5752,
0.3968


 57.2427, 0.5115,
0.4000


 11.4425, 0.6068,
0.3907


 76.9876, 0.4955,
0.3979


 6.3653, 0.6310,
0.3690


 100.8192, 0.4815,
0.3954

 3.0684, 0.6637,
0.3363

 129.1220, 0.4693,
0.3928

 1.1676, 0.7144,
0.2856

 162.2803, 0.4586,
0.3901


 0.0350, 0.9695,
0.0305

 200.6784, 0.4492,

 0.0000, 1.0000,

0.3875

0.0000


 244.7009, 0.4409,
0.3850

 0.0000, 0.0000,
0.0000

 28.4755, 0.5512,
0.4006


 28.4755, 0.5512,
0.4006


 28.4775, 0.5512,
0.4006

 31.3817, 0.5302,
0.4082

 34.7444, 0.5052,
0.4109

 38.6032, 0.4771,
0.4082

 42.9850, 0.4481,
0.4011

 47.9138, 0.4197,
0.3909

■ 53.4117, 0.3932,
0.3789

■ 59.4992, 0.3691,
0.3661

■ 66.1956, 0.3478,
0.3533

■ 73.5192, 0.3290,
0.3408

Harmonies

Analogous

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



28.4755, 0.5515, 0.3214



28.4755, 0.5512, 0.4006



28.4755, 0.4794, 0.4901

Triad

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



28.4755, 0.5512, 0.4006



28.4755, 0.1685, 0.4133



28.4755, 0.2081, 0.1581

Complementary

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



28.4755, 0.5512, 0.4006



20.0486, 0.1791, 0.1648

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.



28.4755, 0.1419, 0.1537



28.4755, 0.5512, 0.4006



28.4755, 0.1206, 0.2650

Square

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



28.4755, 0.5512, 0.4006



28.4755, 0.2619, 0.5548



28.4755, 0.1144, 0.1836



28.4755, 0.3206, 0.1913

Rectangle

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



28.4755, 0.5512, 0.4006



28.4755, 0.4111, 0.5466



28.4755, 0.1144, 0.1836



28.4755, 0.1811, 0.1533

Sweetspot

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



28.4775, 0.5512, 0.4006



72.9007, 0.3695, 0.3663



18.7863, 0.4847, 0.2444



14.9080, 0.3794, 0.3718



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.



28.4775, 0.5512, 0.4006



34.7873, 0.5519, 0.4000



71.3027, 0.4253, 0.5005



16.2269, 0.3281, 0.3402



16.4023, 0.5486, 0.4026



1.4793, 0.5261, 0.4205

Inverse Universe

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



20.0486, 0.1791, 0.1648



24.4389, 0.1789, 0.1640



6.0520, 0.1504, 0.0615



15.8652, 0.2981, 0.3176



11.6261, 0.1798, 0.1674



1.1054, 0.1865, 0.1914

Previews

White Background



This preview shows how the Yxy color 28.4755, 0.5512, 0.4006 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4755, 0.5512, 0.4006 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.4755, 0.5512, 0.4006

Background



This preview shows how black text looks on a background with the Yxy color 28.4755, 0.5512, 0.4006.



This preview shows how white text looks on a background with the Yxy color 28.4755, 0.5512, 0.4006.

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

28.4755, 0.5512, 0.4006

Protanopia

28.6112, 0.4365, 0.4816

Deuteranopia

28.6556, 0.4703, 0.4648



Tritanopia

28.4397, 0.4769, 0.3221

Trichromacy



Original Color

28.4755, 0.5512, 0.4006

Protanomaly

27.7513, 0.4819, 0.4504

Deuteranomaly

27.9949, 0.5029, 0.4389

Tritanomaly

28.1950, 0.5209, 0.3637

Monochromacy



Original Color

28.4755, 0.5512, 0.4006

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.8692, 0.4170, 0.3895

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4755, 0.5512, 0.4006 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(233, 110, 0)` looks like.

```
.text, #text, p{  
    color:rgb(233, 110, 0)  
}
```

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(233, 110, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 110, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.4755, 0.5512, 0.4006 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(233, 110, 0) }
```

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

```
.border{ border-color:rgb(233, 110, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 110, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 110, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 110, 0);  
box-shadow:4px 4px 4px 4px rgb(233, 110,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4755, 0.5512, 0.4006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 110, 0) }
```

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

```
.background{ background-color: rgb(233,  
110, 0) }
```

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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