

Converting Colors

$Yxy(28.7417, 0.5472, 0.4037)$

Have a look what the booklet for
Yxy(28.7417, 0.5472, 0.4037)
contains.

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Color

Yxy(28.7441, 0.5480, 0.4031)

Conversions

Conversions Part 1

Format	Color
Hex	E87000
RGB	232, 112, 0
RGB Percent	91%, 44%, 0%
CMY	0.0901, 0.5608, 1.0000
CMYK	0.00, 0.52, 1.00, 0.09
HSL	29°, 100%, 45%
HSV	29°, 100%, 91%
XYZ	39.0766, 28.7441, 3.4869
YIQ	135.1120, 107.4720, -9.3920

Conversions

Conversions Part 2

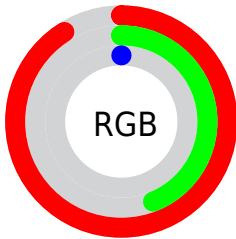
Format	Color
R_{YB}	232, 217, 0
Decimal	15233024
CIE _{Lab}	60.56, 41.81, 68.48
CIE _{LCh}	61, 80.234, 58.594
Yxy	28.7441, 0.5480, 0.4031
Android (android.graphics.Color)	4293423104 (0xFFE87000)
YUV	135.1120, -66.6102, 84.9708
Hunter-Lab	53.6135, 36.2772, 33.6733

Details

The Yxy color **28.7441, 0.5480, 0.4031** 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 **19.2648, 0.1781, 0.1612**, and the grayscale version is **24.4951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9498, 0.4786, 0.4190**, and **11.6667, 0.5809, 0.3770** is the 20% darker color. If you saturate the color by 10%, you get **28.7458, 0.5480, 0.4031**, and if you desaturate by 10%, it is **31.6358, 0.5274, 0.4105**.

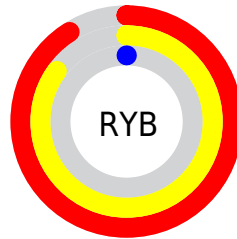
Distribution



Red (91%)

Green (44%)

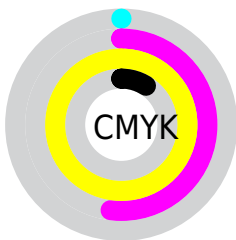
Blue (0%)



Red (91%)

Yellow (85%)

Blue (0%)

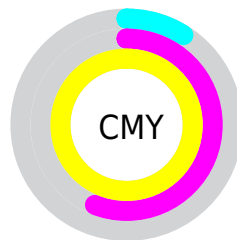


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7441, 0.5480, 0.4031 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 28.7441, 0.5480, 0.4031 by changing the saturation by 10% instead.


 28.7441, 0.5480,
0.4031


 28.7441, 0.5480,
0.4031


296.0056, 0.4320,
0.3835

 18.8873, 0.5716,
0.3999


 57.6703, 0.5090,
0.4018

 11.5889, 0.6024,
0.3942


 77.5084, 0.4931,
0.3995


 6.4644, 0.6264,
0.3736


 101.4425, 0.4794,
0.3968

 3.1295, 0.6582,
0.3418

 129.8569, 0.4674,
0.3940

 1.1997, 0.7075,
0.2925

 163.1361, 0.4569,
0.3912

 0.0615, 0.9472,
0.0528

 201.6643, 0.4476,

 0.0000, 1.0000,

0.3885

0.0000


 245.8260, 0.4393,
0.3860

 0.0000, 0.0000,
0.0000


 28.7441, 0.5480,
0.4031


 28.7441, 0.5480,
0.4031


 28.7458, 0.5480,
0.4031

 31.6358, 0.5274,
0.4105

 34.9671, 0.5029,
0.4129

 38.7760, 0.4754,
0.4100

 43.0882, 0.4469,
0.4026

 47.9268, 0.4189,
0.3922

■ 53.3128, 0.3927,
0.3800

■ 59.2659, 0.3689,
0.3669

■ 65.8046, 0.3477,
0.3538

■ 72.9462, 0.3290,
0.3411

Harmonies

Analogous

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



28.7441, 0.5503, 0.3240



28.7441, 0.5480, 0.4031



28.7441, 0.4759, 0.4918

Triad

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



28.7441, 0.5480, 0.4031



28.7441, 0.1680, 0.4077



28.7441, 0.2116, 0.1600

Complementary

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



28.7441, 0.5480, 0.4031



19.2648, 0.1781, 0.1612

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.



28.7441, 0.1446, 0.1548



28.7441, 0.5480, 0.4031



28.7441, 0.1215, 0.2628

Square

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



28.7441, 0.5480, 0.4031



28.7441, 0.2599, 0.5494



28.7441, 0.1162, 0.1836



28.7441, 0.3244, 0.1938

Rectangle

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



28.7441, 0.5480, 0.4031



28.7441, 0.4079, 0.5467



28.7441, 0.1162, 0.1836



28.7441, 0.1843, 0.1550

Sweetspot

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



28.7458, 0.5480, 0.4031



73.3132, 0.3692, 0.3671



18.6071, 0.4847, 0.2444



15.0053, 0.3790, 0.3727



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.



28.7458, 0.5480, 0.4031



35.4484, 0.5488, 0.4025



70.6213, 0.4253, 0.5005



15.5104, 0.3280, 0.3404



16.2059, 0.5454, 0.4051



1.3829, 0.5222, 0.4236

Inverse Universe

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



19.2648, 0.1781, 0.1612



23.6980, 0.1779, 0.1604



5.9950, 0.1504, 0.0616



15.1142, 0.2981, 0.3174



10.9472, 0.1789, 0.1640



0.9948, 0.1861, 0.1898

Previews

White Background



This preview shows how the Yxy color 28.7441, 0.5480, 0.4031 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 28.7441, 0.5480, 0.4031 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 28.7441, 0.5480, 0.4031

Background



This preview shows how black text looks on a background with the Yxy color 28.7441, 0.5480, 0.4031.



This preview shows how white text looks on a background with the Yxy color 28.7441, 0.5480, 0.4031.

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

28.7441, 0.5480, 0.4031

Protanopia

28.9209, 0.4353, 0.4826

Deuteranopia

28.7795, 0.4714, 0.4639



Tritanopia

28.7105, 0.4720, 0.3220

Trichromacy



Original Color

28.7441, 0.5480, 0.4031

Protanomaly

27.8981, 0.4796, 0.4522

Deuteranomaly

28.2571, 0.5015, 0.4400

Tritanomaly

28.4627, 0.5162, 0.3644

Monochromacy



Original Color

28.7441, 0.5480, 0.4031

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.3967, 0.4142, 0.3910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7441, 0.5480, 0.4031 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(232, 112, 0)` looks like.

```
.text, #text, p{  
  color:rgb(232, 112, 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(232, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 112, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.7441, 0.5480, 0.4031 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(232, 112, 0) }
```

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

```
.border{ border-color:rgb(232, 112, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 112, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 112,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7441, 0.5480, 0.4031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 112, 0) }
```

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

```
.background{ background-color: rgb(232,  
112, 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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