

Converting Colors

$Yxy(28.6483, 0.5027, 0.4390)$

Have a look what the booklet for
Yxy(28.6483, 0.5027, 0.4390)
contains.

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Color

Yxy(28.5379, 0.5033, 0.4386)

Conversions

Conversions Part 1

Format	Color
Hex	CC8100
RGB	204, 129, 0
RGB Percent	80%, 51%, 0%
CMY	0.2001, 0.4940, 1.0000
CMYK	0.00, 0.37, 1.00, 0.20
HSL	38°, 100%, 40%
HSV	38°, 100%, 80%
XYZ	32.7477, 28.5379, 3.7803
YIQ	136.7190, 86.1090, -24.2190

Conversions

Conversions Part 2

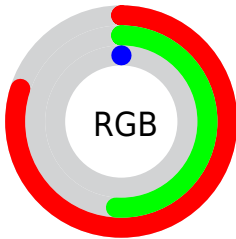
Format	Color
R_{YB}	119, 204, 0
Decimal	13402368
CIE Lab	60.37, 21.34, 66.43
CIE LCh	60, 69.772, 72.194
Yxy	28.5379, 0.5033, 0.4386
Android (android.graphics.Color)	4291592448 (0xFFCC8100)
YUV	136.7190, -67.4025, 59.0054
Hunter-Lab	53.4209, 15.9362, 33.1990

Details

The Yxy color **28.5379, 0.5033, 0.4386** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **9.3856, 0.1655, 0.1159**, and the grayscale version is **25.1408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.1581, 0.4631, 0.4324**, and **11.6666, 0.5220, 0.4238** is the 20% darker color. If you saturate the color by 10%, you get **28.5395, 0.5033, 0.4386**, and if you desaturate by 10%, it is **30.6397, 0.4889, 0.4418**.

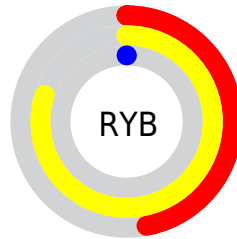
Distribution



Red (80%)

Green (51%)

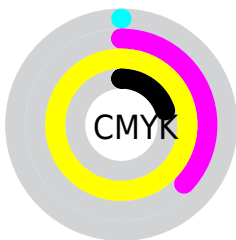
Blue (0%)



Red (47%)

Yellow (80%)

Blue (0%)

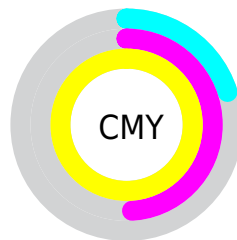


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (49%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5379, 0.5033, 0.4386 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 28.5379, 0.5033, 0.4386 by changing the saturation by 10% instead.


 28.5379, 0.5033,
0.4386


 28.5379, 0.5033,
0.4386


295.0284, 0.4099,
0.3950


 18.7315, 0.5219,
0.4425


 57.3421, 0.4720,
0.4273


 11.4764, 0.5455,
0.4459


 77.1087, 0.4593,
0.4216

 6.3883, 0.5630,
0.4370


 100.9642, 0.4482,
0.4162

 3.0826, 0.5822,
0.4178

 129.2929, 0.4385,
0.4111

 1.1750, 0.6143,
0.3857

 162.4793, 0.4300,
0.4065

 0.0411, 0.9316,
0.0684

 200.9077, 0.4225,

 0.0000, 0.0000,

0.4023

0.0000

244.9626, 0.4158,
0.3985

28.5379, 0.5033,
0.4386

28.5379, 0.5033,
0.4386

28.5395, 0.5033,
0.4386

30.6397, 0.4889,
0.4418

32.9426, 0.4716,
0.4405

35.4698, 0.4515,
0.4341

38.2344, 0.4298,
0.4235

41.2474, 0.4076,
0.4099

■ 44.5191, 0.3858,
0.3942

■ 48.0586, 0.3651,
0.3777

■ 51.8748, 0.3459,
0.3609

■ 55.9756, 0.3285,
0.3446

Harmonies

Analogous

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



28.5379, 0.5328, 0.3619



28.5379, 0.5033, 0.4386



28.5379, 0.4247, 0.5127

Triad

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



28.5379, 0.5033, 0.4386



28.5379, 0.1595, 0.3366



28.5379, 0.2645, 0.1867

Complementary

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



28.5379, 0.5033, 0.4386



9.3856, 0.1655, 0.1159

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.



28.5379, 0.1840, 0.1697



28.5379, 0.5033, 0.4386



28.5379, 0.1329, 0.2335

Square

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



28.5379, 0.5033, 0.4386



28.5379, 0.2276, 0.4708



28.5379, 0.1417, 0.1823



28.5379, 0.3785, 0.2294

Rectangle

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



28.5379, 0.5033, 0.4386



28.5379, 0.3594, 0.5417



28.5379, 0.1417, 0.1823



28.5379, 0.2332, 0.1780

Sweetspot

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



28.5395, 0.5033, 0.4386



79.3706, 0.3659, 0.3783



13.3872, 0.5462, 0.2783



16.4424, 0.3746, 0.3855



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.



28.5395, 0.5033, 0.4386



46.8507, 0.5046, 0.4375



52.9008, 0.3988, 0.5215



12.3765, 0.3275, 0.3436



18.1501, 0.5018, 0.4398



1.0781, 0.4816, 0.4558

Inverse Universe

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



9.3856, 0.1655, 0.1159



15.1742, 0.1649, 0.1136



4.5503, 0.1539, 0.0621



11.5079, 0.2983, 0.3139



6.0722, 0.1662, 0.1184



0.4572, 0.1774, 0.1585

Previews

White Background



This preview shows how the Yxy color 28.5379, 0.5033, 0.4386 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 28.5379, 0.5033, 0.4386 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 28.5379, 0.5033, 0.4386

Background



This preview shows how black text looks on a background with the Yxy color 28.5379, 0.5033, 0.4386.



This preview shows how white text looks on a background with the Yxy color 28.5379, 0.5033, 0.4386.

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

28.5379, 0.5033, 0.4386

Protanopia

28.5916, 0.4381, 0.4839

Deuteranopia

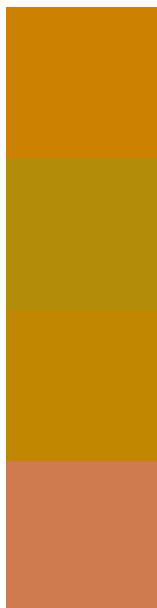
28.7795, 0.4714, 0.4639



Tritanopia

28.5732, 0.4114, 0.3179

Trichromacy



Original Color

28.5379, 0.5033, 0.4386

Protanomaly

28.3618, 0.4619, 0.4675

Deuteranomaly

28.5344, 0.4838, 0.4541

Tritanomaly

28.0405, 0.4643, 0.3791

Monochromacy



Original Color

28.5379, 0.5033, 0.4386

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.3154, 0.3969, 0.4028

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5379, 0.5033, 0.4386 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(204, 129, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 129, 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(204, 129, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 129, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.5379, 0.5033, 0.4386 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(204, 129, 0) }
```

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

```
.border{ border-color:rgb(204, 129, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 129, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 129, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 129, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 129,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5379, 0.5033, 0.4386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 129, 0) }
```

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

```
.background{ background-color: rgb(204,  
129, 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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