

Converting Colors

$Yxy(26.9980, 0.5117, 0.4319)$

Have a look what the booklet for
Yxy(26.9980, 0.5117, 0.4319)
contains.

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Color

Yxy(27.0033, 0.5116, 0.4320)

Conversions

Conversions Part 1

Format	Color
Hex	CC7B00
RGB	204, 123, 0
RGB Percent	80%, 48%, 0%
CMY	0.2001, 0.5176, 1.0000
CMYK	0.00, 0.40, 1.00, 0.20
HSL	36°, 100%, 40%
HSV	36°, 100%, 80%
XYZ	31.9789, 27.0033, 3.5254
YIQ	133.1970, 87.7590, -21.0810

Conversions

Conversions Part 2

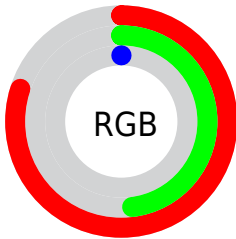
Format	Color
RYB	134, 204, 0
Decimal	13400832
CIELab	58.98, 24.58, 65.53
CIElCh	59, 69.985, 69.438
Yxy	27.0033, 0.5116, 0.4320
Android (android.graphics.Color)	4291590912 (0xFFCC7B00)
YUV	133.1970, -65.6661, 62.0942
Hunter-Lab	51.9647, 18.9101, 32.3529

Details

The Yxy color **27.0033, 0.5116, 0.4320** 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 **10.2355, 0.1678, 0.1242**, and the grayscale version is **23.7527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7403, 0.4689, 0.4276**, and **10.7372, 0.5327, 0.4152** is the 20% darker color. If you saturate the color by 10%, you get **27.0048, 0.5116, 0.4320**, and if you desaturate by 10%, it is **29.1494, 0.4959, 0.4359**.

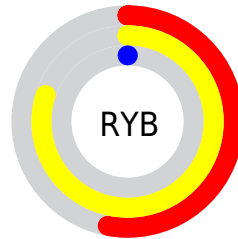
Distribution



Red (80%)

Green (48%)

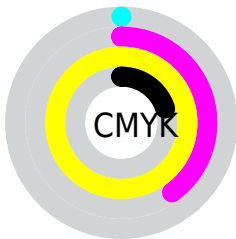
Blue (0%)



Red (53%)

Yellow (80%)

Blue (0%)

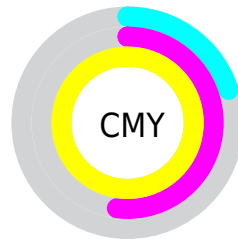


Cyan (0%)

Magenta (40%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0033, 0.5116, 0.4320 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 27.0033, 0.5116, 0.4320 by changing the saturation by 10% instead.


 27.0033, 0.5116,
0.4320


 27.0033, 0.5116,
0.4320


287.6731, 0.4129,
0.3923


 17.5757, 0.5316,
0.4346


 54.8892, 0.4783,
0.4224


 10.6458, 0.5583,
0.4369


 74.1162, 0.4648,
0.4172

 5.8292, 0.5762,
0.4238

 97.3785, 0.4531,
0.4123

 2.7415, 0.5992,
0.4008

 125.0605, 0.4429,
0.4076

 0.9983, 0.6379,
0.3621

 157.5466, 0.4339,
0.4032

 0.0000, 1.0000,
0.0000

 195.2211, 0.4261,

 0.0000, 0.0000,

0.3993

0.0000

■ 238.4685, 0.4191,
0.3957

■ 27.0033, 0.5116,
0.4320

■ 27.0033, 0.5116,
0.4320

■ 27.0048, 0.5116,
0.4320

■ 29.1494, 0.4959,
0.4359

■ 31.5187, 0.4772,
0.4353

■ 34.1354, 0.4557,
0.4295

■ 37.0130, 0.4328,
0.4195

■ 40.1635, 0.4096,
0.4064

■ 43.5978, 0.3870,
0.3914

■ 47.3259, 0.3658,
0.3755

■ 51.3571, 0.3462,
0.3595

■ 55.7002, 0.3285,
0.3439

Harmonies

Analogous

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



27.0033, 0.5362, 0.3547



27.0033, 0.5116, 0.4320



27.0033, 0.4344, 0.5094

Triad

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



27.0033, 0.5116, 0.4320



27.0033, 0.1612, 0.3487



27.0033, 0.2542, 0.1817

Complementary

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



27.0033, 0.5116, 0.4320



10.2355, 0.1678, 0.1242

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.



27.0033, 0.1763, 0.1671



27.0033, 0.5116, 0.4320



27.0033, 0.1309, 0.2386

Square

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



27.0033, 0.5116, 0.4320



27.0033, 0.2338, 0.4854



27.0033, 0.1369, 0.1826



27.0033, 0.3684, 0.2228

Rectangle

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



27.0033, 0.5116, 0.4320



27.0033, 0.3688, 0.5438



27.0033, 0.1369, 0.1826



27.0033, 0.2236, 0.1737

Sweetspot

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



27.0048, 0.5116, 0.4320



78.1504, 0.3666, 0.3762



13.4362, 0.5395, 0.2745



16.1516, 0.3755, 0.3830



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.



27.0048, 0.5116, 0.4320



44.3052, 0.5131, 0.4308



53.3099, 0.4018, 0.5192



12.3204, 0.3275, 0.3430



17.1886, 0.5099, 0.4333



1.0324, 0.4877, 0.4510

Inverse Universe

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



10.2355, 0.1678, 0.1242



16.5663, 0.1672, 0.1219



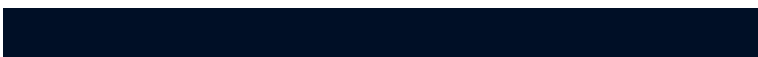
4.5112, 0.1531, 0.0617



11.5624, 0.2983, 0.3146



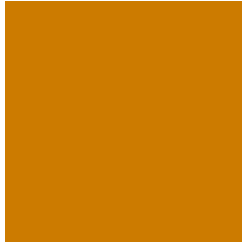
6.6148, 0.1686, 0.1268



0.4883, 0.1795, 0.1663

Previews

White Background



This preview shows how the Yxy color 27.0033, 0.5116, 0.4320 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 27.0033, 0.5116, 0.4320 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 27.0033, 0.5116, 0.4320

Background



This preview shows how black text looks on a background with the Yxy color 27.0033, 0.5116, 0.4320.



This preview shows how white text looks on a background with the Yxy color 27.0033, 0.5116, 0.4320.

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

27.0033, 0.5116, 0.4320

Protanopia

27.2565, 0.4372, 0.4843

Deuteranopia

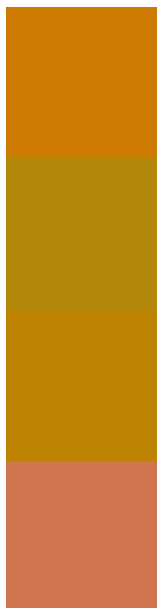
27.0312, 0.4716, 0.4638



Tritanopia

27.0200, 0.4223, 0.3180

Trichromacy



Original Color

27.0033, 0.5116, 0.4320

Protanomaly

26.9773, 0.4650, 0.4648

Deuteranomaly

27.0514, 0.4863, 0.4521

Tritanomaly

26.5380, 0.4742, 0.3760

Monochromacy



Original Color

27.0033, 0.5116, 0.4320

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.7273, 0.4002, 0.3992

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0033, 0.5116, 0.4320 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, 123, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 123, 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, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 123, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.0033, 0.5116, 0.4320 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, 123, 0) }
```

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

```
.border{ border-color:rgb(204, 123, 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, 123, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 123,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0033, 0.5116, 0.4320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 123, 0) }
```

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

```
.background{ background-color: rgb(204,  
123, 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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