

Converting Colors

$Y_{xy}(28.8250, 0.4937, 0.4462)$

Have a look what the booklet for
Yxy(28.8250, 0.4937, 0.4462)
contains.

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Color

Yxy(28.9172, 0.4932, 0.4466)

Conversions

Conversions Part 1

Format	Color
Hex	C78500
RGB	199, 133, 0
RGB Percent	78%, 52%, 0%
CMY	0.2197, 0.4783, 1.0000
CMYK	0.00, 0.33, 1.00, 0.22
HSL	40°, 100%, 39%
HSV	40°, 100%, 78%
XYZ	31.9345, 28.9172, 3.8979
YIQ	137.5720, 82.0290, -27.3710

Conversions

Conversions Part 2

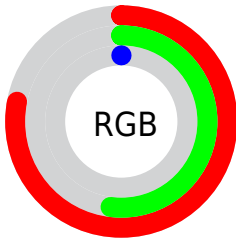
Format	Color
R_{YB}	99, 199, 0
Decimal	13075712
CIE Lab	60.71, 16.96, 66.34
CIE LCh	61, 68.474, 75.661
Yxy	28.9172, 0.4932, 0.4466
Android (android.graphics.Color)	4291265792 (0xFFC78500)
YUV	137.5720, -67.8230, 53.8724
Hunter-Lab	53.7747, 11.8979, 33.3446

Details

The Yxy color **28.9172, 0.4932, 0.4466** 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 **8.0123, 0.1630, 0.1066**, and the grayscale version is **25.4847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8200, 0.4596, 0.4360**, and **11.8296, 0.5080, 0.4349** is the 20% darker color. If you saturate the color by 10%, you get **28.9187, 0.4932, 0.4466**, and if you desaturate by 10%, it is **30.8321, 0.4803, 0.4488**.

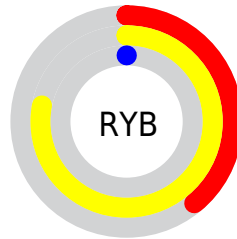
Distribution



Red (78%)

Green (52%)

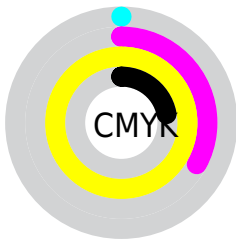
Blue (0%)



Red (39%)

Yellow (78%)

Blue (0%)

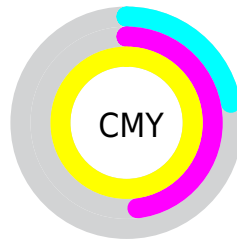


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (48%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9172, 0.4932, 0.4466 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 28.9172, 0.4932, 0.4466 by changing the saturation by 10% instead.


 28.9172, 0.4932,
0.4466


 28.9172, 0.4932,
0.4466


296.8241, 0.4053,
0.3976

 19.0182, 0.5105,
0.4522


 57.9455, 0.4640,
0.4331

 11.6834, 0.5319,
0.4576


 77.8436, 0.4520,
0.4266

 6.5285, 0.5478,
0.4522


 101.8435, 0.4415,
0.4206

 3.1690, 0.5633,
0.4367

 130.3296, 0.4324,
0.4150

 1.2206, 0.5894,
0.4106

 163.6863, 0.4243,
0.4100

 0.0784, 0.8617,
0.1383

 202.2981, 0.4172,

 0.0000, 0.0000,


0.4055

0.0000

 246.5492, 0.4109,
0.4014


 28.9172, 0.4932,
0.4466


 28.9172, 0.4932,
0.4466


 28.9187, 0.4932,
0.4466

 30.8321, 0.4803,
0.4488

 32.9124, 0.4646,
0.4467

 35.1796, 0.4462,
0.4396

 37.6450, 0.4260,
0.4283

 40.3185, 0.4051,
0.4139

■ 43.2088, 0.3843,
0.3976

■ 46.3241, 0.3643,
0.3802

■ 49.6717, 0.3455,
0.3626

■ 53.2588, 0.3283,
0.3454

Harmonies

Analogous

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



28.9172, 0.5285, 0.3707



28.9172, 0.4932, 0.4466



28.9172, 0.4129, 0.5162

Triad

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



28.9172, 0.4932, 0.4466



28.9172, 0.1573, 0.3226



28.9172, 0.2772, 0.1927

Complementary

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



28.9172, 0.4932, 0.4466



8.0123, 0.1630, 0.1066

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.



28.9172, 0.1935, 0.1729



28.9172, 0.4932, 0.4466



28.9172, 0.1353, 0.2275

Square

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



28.9172, 0.4932, 0.4466



28.9172, 0.2200, 0.4531



28.9172, 0.1476, 0.1819



28.9172, 0.3909, 0.2376

Rectangle

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



28.9172, 0.4932, 0.4466



28.9172, 0.3478, 0.5383



28.9172, 0.1476, 0.1819



28.9172, 0.2451, 0.1832

Sweetspot

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



28.9187, 0.4932, 0.4466



80.8905, 0.3651, 0.3810



12.5349, 0.5653, 0.2888



16.8054, 0.3736, 0.3885



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.



28.9187, 0.4932, 0.4466



50.1905, 0.4945, 0.4456



48.9183, 0.3900, 0.5285



11.8017, 0.3273, 0.3444



18.7681, 0.4919, 0.4476



1.0175, 0.4732, 0.4625

Inverse Universe

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



8.0123, 0.1630, 0.1066



13.6414, 0.1623, 0.1041



4.4480, 0.1570, 0.0638



10.8523, 0.2983, 0.3131



5.2984, 0.1636, 0.1090



0.3845, 0.1757, 0.1523

Previews

White Background



This preview shows how the Yxy color 28.9172, 0.4932, 0.4466 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 28.9172, 0.4932, 0.4466 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 28.9172, 0.4932, 0.4466

Background



This preview shows how black text looks on a background with the Yxy color 28.9172, 0.4932, 0.4466.



This preview shows how white text looks on a background with the Yxy color 28.9172, 0.4932, 0.4466.

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

28.9172, 0.4932, 0.4466

Protanopia

29.0035, 0.4384, 0.4847

Deuteranopia

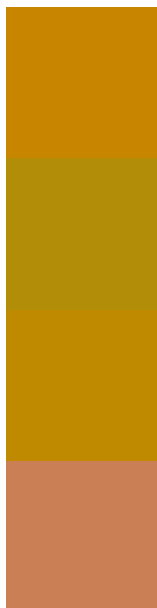
28.9043, 0.4724, 0.4631



Tritanopia

29.0879, 0.3998, 0.3176

Trichromacy



Original Color

28.9172, 0.4932, 0.4466

Protanomaly

28.8285, 0.4586, 0.4709

Deuteranomaly

28.9677, 0.4801, 0.4570

Tritanomaly

28.5311, 0.4532, 0.3819

Monochromacy



Original Color

28.9172, 0.4932, 0.4466

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

25.7865, 0.3932, 0.4046

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9172, 0.4932, 0.4466 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(199, 133, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 133, 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(199, 133, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 133, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.9172, 0.4932, 0.4466 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(199, 133, 0) }
```

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

```
.border{ border-color:rgb(199, 133, 0) }
```

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

Here you see how a box with a 4 pixel rgb(199, 133, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 133, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 133, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 133,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9172, 0.4932, 0.4466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 133, 0) }
```

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

```
.background{ background-color: rgb(199,  
133, 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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