

Converting Colors

$Y_{xy}(30.5878, 0.4916, 0.4479)$

Have a look what the booklet for
Yxy(30.5878, 0.4916, 0.4479)
contains.

Yxy(30.5878, 0.4916, 0.4479)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.5878, 0.4916, 0.4479)

Conversions

Conversions Part 1

Format	Color
Hex	CB8900
RGB	203, 137, 0
RGB Percent	80%, 54%, 0%
CMY	0.2040, 0.4627, 1.0000
CMYK	0.00, 0.33, 1.00, 0.20
HSL	40°, 100%, 40%
HSV	40°, 100%, 80%
XYZ	33.5721, 30.5878, 4.1316
YIQ	141.1160, 83.3130, -28.6150

Conversions

Conversions Part 2

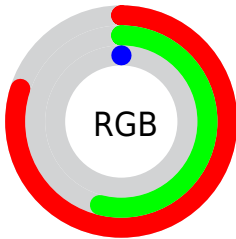
Format	Color
R _{YB}	98, 203, 0
Decimal	13338880
CIE Lab	62.16, 16.55, 67.55
CIE LCh	62, 69.546, 76.231
Yxy	30.5878, 0.4916, 0.4479
Android (android.graphics.Color)	4291528960 (0xFFCB8900)
YUV	141.1160, -69.5702, 54.2723
Hunter-Lab	55.3062, 11.5676, 34.2851

Details

The Yxy color **30.5878, 0.4916, 0.4479** 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 **8.2055, 0.1624, 0.1047**, and the grayscale version is **26.9390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5418, 0.4557, 0.4389**, and **12.6560, 0.5071, 0.4355** is the 20% darker color. If you saturate the color by 10%, you get **30.5896, 0.4916, 0.4479**, and if you desaturate by 10%, it is **32.5750, 0.4790, 0.4501**.

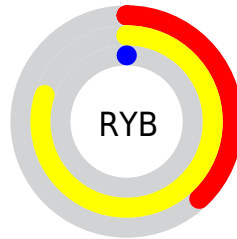
Distribution



Red (80%)

Green (54%)

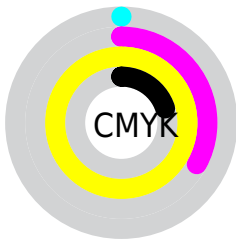
Blue (0%)



Red (38%)

Yellow (80%)

Blue (0%)

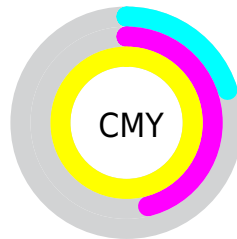


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (46%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5878, 0.4916, 0.4479 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 30.5878, 0.4916, 0.4479 by changing the saturation by 10% instead.


 30.5878, 0.4916,
0.4479


 30.5878, 0.4916,
0.4479


 304.6348, 0.4055,
0.3987

 20.2852, 0.5083,
0.4537


 60.5905, 0.4631,
0.4343


 12.6025, 0.5282,
0.4587


 81.0594, 0.4514,
0.4278


 7.1554, 0.5447,
0.4553


 105.6858, 0.4412,
0.4217

 3.5595, 0.5589,
0.4411

 134.8542, 0.4322,
0.4162

 1.4303, 0.5824,
0.4176

 168.9488, 0.4243,
0.4111

 0.2389, 0.7254,
0.2746

 208.3542, 0.4173,

 0.0000, 0.0000,

0.4066

0.0000


 253.4548, 0.4110,
0.4024


 30.5878, 0.4916,
0.4479


 30.5878, 0.4916,
0.4479

 30.5896, 0.4916,
0.4479

 32.5750, 0.4790,
0.4501

 34.7313, 0.4636,
0.4478

 37.0790, 0.4455,
0.4406

 39.6299, 0.4256,
0.4293

 42.3943, 0.4048,
0.4148

■ 45.3813, 0.3841,
0.3983

■ 48.5993, 0.3642,
0.3807

■ 52.0560, 0.3455,
0.3630

■ 55.7587, 0.3283,
0.3456

Harmonies

Analogous

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



30.5878, 0.5279, 0.3721



30.5878, 0.4916, 0.4479



30.5878, 0.4110, 0.5168

Triad

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



30.5878, 0.4916, 0.4479



30.5878, 0.1570, 0.3204



30.5878, 0.2793, 0.1937

Complementary

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



30.5878, 0.4916, 0.4479



8.2055, 0.1624, 0.1047

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.



30.5878, 0.1950, 0.1734



30.5878, 0.4916, 0.4479



30.5878, 0.1356, 0.2265

Square

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



30.5878, 0.4916, 0.4479



30.5878, 0.2187, 0.4503



30.5878, 0.1485, 0.1818



30.5878, 0.3929, 0.2389

Rectangle

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



30.5878, 0.4916, 0.4479



30.5878, 0.3459, 0.5377



30.5878, 0.1485, 0.1818



30.5878, 0.2470, 0.1840

Sweetspot

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



30.5896, 0.4916, 0.4479



81.1629, 0.3650, 0.3814



13.1085, 0.5657, 0.2890



16.8705, 0.3734, 0.3890



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.



30.5896, 0.4916, 0.4479



50.8086, 0.4927, 0.4470



51.1603, 0.3900, 0.5285



12.4580, 0.3273, 0.3446



19.6406, 0.4903, 0.4489



1.1476, 0.4731, 0.4625

Inverse Universe

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



8.2055, 0.1624, 0.1047



13.3890, 0.1618, 0.1025



4.6486, 0.1569, 0.0638



11.4296, 0.2983, 0.3129



5.3708, 0.1631, 0.1072



0.4151, 0.1743, 0.1475

Previews

White Background



This preview shows how the Yxy color 30.5878, 0.4916, 0.4479 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.5878, 0.4916, 0.4479 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 ✓ Pass

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

Yxy 30.5878, 0.4916, 0.4479

Background



This preview shows how black text looks on a background with the Yxy color 30.5878, 0.4916, 0.4479.



This preview shows how white text looks on a background with the Yxy color 30.5878, 0.4916, 0.4479.

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

30.5878, 0.4916, 0.4479

Protanopia

30.7083, 0.4381, 0.4853

Deuteranopia

30.7213, 0.4722, 0.4633



Tritanopia

30.5402, 0.3980, 0.3166

Trichromacy



Original Color

30.5878, 0.4916, 0.4479

Protanomaly

30.5204, 0.4578, 0.4718

Deuteranomaly

30.6519, 0.4787, 0.4581

Tritanomaly

30.1861, 0.4518, 0.3834

Monochromacy



Original Color

30.5878, 0.4916, 0.4479

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.3869, 0.3932, 0.4058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5878, 0.4916, 0.4479 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(203, 137, 0)` looks like.

```
.text, #text, p{  
    color:rgb(203, 137, 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(203, 137, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 137, 0) }
```

Border

The CSS property to change the border of an element to Yxy 30.5878, 0.4916, 0.4479 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(203, 137, 0) }
```

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

```
.border{ border-color:rgb(203, 137, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 137, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 137, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 137, 0);  
box-shadow:4px 4px 4px 4px rgb(203, 137,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5878, 0.4916, 0.4479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 137, 0) }
```

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

```
.background{ background-color: rgb(203,  
137, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor