

Converting Colors

$Y_{xy}(29.9034, 0.4964, 0.4440)$

Have a look what the booklet for
Yxy(29.9034, 0.4964, 0.4440)
contains.

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Color

Yxy(29.8876, 0.4965, 0.4440)

Conversions

Conversions Part 1

Format	Color
Hex	CC8600
RGB	204, 134, 0
RGB Percent	80%, 53%, 0%
CMY	0.2001, 0.4744, 1.0000
CMYK	0.00, 0.34, 1.00, 0.20
HSL	39°, 100%, 40%
HSV	39°, 100%, 80%
XYZ	33.4216, 29.8876, 4.0052
YIQ	139.6540, 84.7340, -26.8340

Conversions

Conversions Part 2

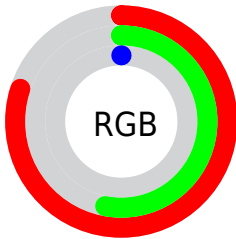
Format	Color
RYB	107, 204, 0
Decimal	13403648
CIELab	61.56, 18.61, 67.20
CIELCh	62, 69.735, 74.519
Yxy	29.8876, 0.4965, 0.4440
Android (android.graphics.Color)	4291593728 (0xFFCC8600)
YUV	139.6540, -68.8494, 56.4314
Hunter-Lab	54.6696, 13.4522, 33.9250

Details

The Yxy color **29.8876, 0.4965, 0.4440** 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 **8.7332, 0.1637, 0.1093**, and the grayscale version is **26.3330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2556, 0.4583, 0.4362**, and **12.2699, 0.5141, 0.4300** is the 20% darker color. If you saturate the color by 10%, you get **29.8893, 0.4965, 0.4440**, and if you desaturate by 10%, it is **31.9398, 0.4831, 0.4466**.

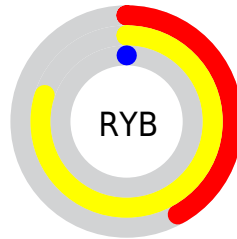
Distribution



Red (80%)

Green (53%)

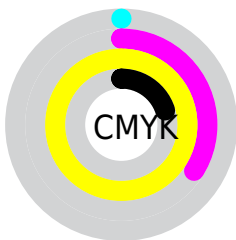
Blue (0%)



Red (42%)

Yellow (80%)

Blue (0%)

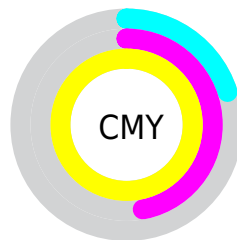


Cyan (0%)

Magenta (34%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (47%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8876, 0.4965, 0.4440 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 29.8876, 0.4965, 0.4440 by changing the saturation by 10% instead.


 29.8876, 0.4965,
0.4440


 29.8876, 0.4965,
0.4440

301.3802, 0.4074,
0.3972


 19.7533, 0.5140,
0.4490


 59.4844, 0.4669,
0.4314


 12.2158, 0.5352,
0.4532


 79.7156, 0.4548,
0.4252

 6.8908, 0.5523,
0.4477


 104.0813, 0.4442,
0.4194

 3.3939, 0.5685,
0.4315

 132.9659, 0.4349,
0.4141

 1.3407, 0.5953,
0.4047

 166.7536, 0.4268,
0.4092

 0.1724, 0.7820,
0.2180

 205.8290, 0.4196,

 0.0000, 0.0000,

0.4048

0.0000


 250.5764, 0.4131,
0.4008


 29.8876, 0.4965,
0.4440


 29.8876, 0.4965,
0.4440


 29.8893, 0.4965,
0.4440

 31.9398, 0.4831,
0.4466

 34.1755, 0.4670,
0.4447

 36.6174, 0.4480,
0.4379

 39.2779, 0.4274,
0.4269

 42.1676, 0.4060,
0.4127

■ 45.2962, 0.3848,
0.3966

■ 48.6724, 0.3646,
0.3795

■ 52.3043, 0.3457,
0.3621

■ 56.1998, 0.3284,
0.3452

Harmonies

Analogous

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



29.8876, 0.5299, 0.3678



29.8876, 0.4965, 0.4440



29.8876, 0.4168, 0.5151

Triad

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



29.8876, 0.4965, 0.4440



29.8876, 0.1580, 0.3271



29.8876, 0.2731, 0.1907

Complementary

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



29.8876, 0.4965, 0.4440



8.7332, 0.1637, 0.1093

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.



29.8876, 0.1904, 0.1719



29.8876, 0.4965, 0.4440



29.8876, 0.1345, 0.2294

Square

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



29.8876, 0.4965, 0.4440



29.8876, 0.2224, 0.4589



29.8876, 0.1457, 0.1820



29.8876, 0.3869, 0.2349

Rectangle

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



29.8876, 0.4965, 0.4440



29.8876, 0.3516, 0.5395



29.8876, 0.1457, 0.1820



29.8876, 0.2412, 0.1815

Sweetspot

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



29.8893, 0.4965, 0.4440



80.4023, 0.3654, 0.3801



13.2937, 0.5594, 0.2855



16.6887, 0.3739, 0.3875



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.



29.8893, 0.4965, 0.4440



49.0975, 0.4977, 0.4430



52.1011, 0.3929, 0.5262



12.4236, 0.3274, 0.3442



18.9968, 0.4951, 0.4451



1.1177, 0.4767, 0.4597

Inverse Universe

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



8.7332, 0.1637, 0.1093



14.1103, 0.1631, 0.1071



4.6435, 0.1558, 0.0632



11.4626, 0.2983, 0.3133



5.6550, 0.1644, 0.1118



0.4324, 0.1756, 0.1521

Previews

White Background



This preview shows how the Yxy color 29.8876, 0.4965, 0.4440 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 29.8876, 0.4965, 0.4440 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 29.8876, 0.4965, 0.4440

Background



This preview shows how black text looks on a background with the Yxy color 29.8876, 0.4965, 0.4440.



This preview shows how white text looks on a background with the Yxy color 29.8876, 0.4965, 0.4440.

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

29.8876, 0.4965, 0.4440

Protanopia

30.1692, 0.4369, 0.4857

Deuteranopia

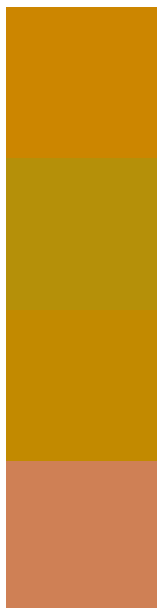
29.8686, 0.4728, 0.4628



Tritanopia

29.9438, 0.4026, 0.3178

Trichromacy



Original Color

29.8876, 0.4965, 0.4440

Protanomaly

29.7900, 0.4591, 0.4703

Deuteranomaly

29.6463, 0.4817, 0.4557

Tritanomaly

29.3596, 0.4565, 0.3820

Monochromacy



Original Color

29.8876, 0.4965, 0.4440

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.6848, 0.3944, 0.4049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8876, 0.4965, 0.4440 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, 134, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 134, 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, 134, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 134, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.8876, 0.4965, 0.4440 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, 134, 0) }
```

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

```
.border{ border-color:rgb(204, 134, 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, 134, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 134, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 134, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 134,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8876, 0.4965, 0.4440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 134, 0) }
```

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

```
.background{ background-color: rgb(204,  
134, 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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