

Converting Colors

$Y_{xy}(24.3499, 0.4885, 0.4709)$

Have a look what the booklet for
Yxy(24.3499, 0.4885, 0.4709)
contains.

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Color

$Yxy(24.4089, 0.4786, 0.4582)$

Conversions

Conversions Part 1

Format	Color
Hex	B07F00
RGB	176, 127, 0
RGB Percent	69%, 50%, 0%
CMY	0.3098, 0.5020, 1.0000
CMYK	0.00, 0.28, 1.00, 0.31
HSL	43°, 100%, 35%
HSV	43°, 100%, 69%
XYZ	25.4956, 24.4089, 3.3667
YIQ	127.1730, 69.9710, -29.1090

Conversions

Conversions Part 2

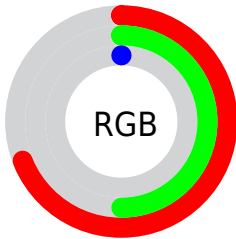
Format	Color
RYB	68, 176, 0
Decimal	11566848
CIELab	56.49, 9.98, 62.22
CIELCh	56, 63.013, 80.883
Yxy	24.4089, 0.4786, 0.4582
Android (android.graphics.Color)	4289756928 (0xFFB07F00)
YUV	127.1730, -62.6963, 42.8213
Hunter-Lab	49.4054, 5.6555, 30.5434

Details

The Yxy color **24.4089, 0.4786, 0.4582** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **5.3325, 0.1598, 0.0954**, and the grayscale version is **21.4889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4904, 0.4511, 0.4401**, and **9.3003, 0.4913, 0.4481** is the 20% darker color. If you saturate the color by 10%, you get **24.4102, 0.4786, 0.4582**, and if you desaturate by 10%, it is **25.7495, 0.4676, 0.4586**.

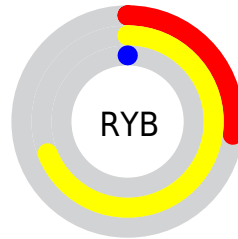
Distribution



Red (69%)

Green (50%)

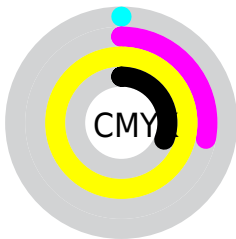
Blue (0%)



Red (27%)

Yellow (69%)

Blue (0%)

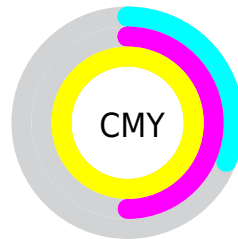


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (50%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4089, 0.4786, 0.4582 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 24.4089, 0.4786, 0.4582 by changing the saturation by 10% instead.


 24.4089, 0.4786,
0.4582


 24.4089, 0.4786,
0.4582


274.8813, 0.3960,
0.3993


 15.6372, 0.4949,
0.4668


 50.6966, 0.4508,
0.4404

 9.2678, 0.5184,
0.4791


 68.9815, 0.4395,
0.4324

 4.9163, 0.5271,
0.4729

 91.2062, 0.4297,
0.4252

 2.1982, 0.5389,
0.4611

 117.7552, 0.4211,
0.4188


 0.7190, 0.5640,
0.4360


 149.0127, 0.4136,
0.4131


 0.0000, 0.0000,
0.0000


 185.3634, 0.4070,

0.4080


 227.1914, 0.4012,
0.4034

 24.4089, 0.4786,
0.4582


 24.4089, 0.4786,
0.4582


 24.4102, 0.4786,
0.4582

 25.7495, 0.4676,
0.4586

 27.1891, 0.4541,
0.4551

 28.7444, 0.4380,
0.4469

 30.4233, 0.4199,
0.4346

 32.2323, 0.4008,
0.4193

■ 34.1773, 0.3815,
0.4019

■ 36.2639, 0.3627,
0.3835

■ 38.4970, 0.3448,
0.3649

■ 40.8813, 0.3280,
0.3466

Harmonies

Analogous

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



24.4089, 0.5222, 0.3836



24.4089, 0.4786, 0.4582



24.4089, 0.3956, 0.5205

Triad

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



24.4089, 0.4786, 0.4582



24.4089, 0.1542, 0.3034



24.4089, 0.2962, 0.2015

Complementary

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



24.4089, 0.4786, 0.4582



5.3325, 0.1598, 0.0954

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.



24.4089, 0.2077, 0.1774



24.4089, 0.4786, 0.4582



24.4089, 0.1385, 0.2191

Square

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



24.4089, 0.4786, 0.4582



24.4089, 0.2090, 0.4280



24.4089, 0.1562, 0.1811



24.4089, 0.4087, 0.2494

Rectangle

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



24.4089, 0.4786, 0.4582



24.4089, 0.3307, 0.5320



24.4089, 0.1562, 0.1811



24.4089, 0.2627, 0.1906

Sweetspot

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



24.4102, 0.4786, 0.4582



65.5569, 0.3636, 0.3845



9.4605, 0.5812, 0.2975



13.8646, 0.3713, 0.3921



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.4102, 0.4786, 0.4582



43.8661, 0.4798, 0.4572



36.4474, 0.3816, 0.5352



9.4986, 0.3270, 0.3454



18.0101, 0.4778, 0.4588



0.6588, 0.4582, 0.4744

Inverse Universe

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



5.3325, 0.1598, 0.0954



9.3411, 0.1591, 0.0926



3.5497, 0.1615, 0.0663



8.6026, 0.2985, 0.3121



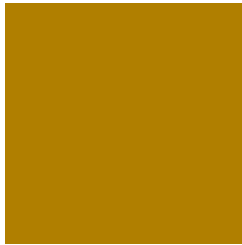
3.9989, 0.1603, 0.0972



0.2265, 0.1764, 0.1548

Previews

White Background



This preview shows how the Yxy color 24.4089, 0.4786, 0.4582 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 24.4089, 0.4786, 0.4582 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 24.4089, 0.4786, 0.4582

Background



This preview shows how black text looks on a background with the Yxy color 24.4089, 0.4786, 0.4582.



This preview shows how white text looks on a background with the Yxy color 24.4089, 0.4786, 0.4582.

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

24.4089, 0.4786, 0.4582

Protanopia

24.4025, 0.4378, 0.4858

Deuteranopia

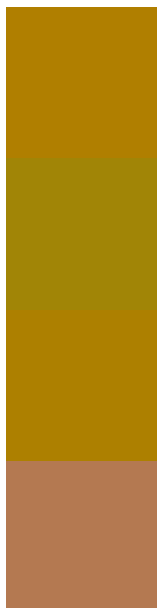
24.4712, 0.4714, 0.4639



Tritanopia

24.4343, 0.3831, 0.3162

Trichromacy



Original Color

24.4089, 0.4786, 0.4582

Protanomaly

24.3653, 0.4521, 0.4764

Deuteranomaly

24.3226, 0.4739, 0.4619

Tritanomaly

23.9721, 0.4371, 0.3860

Monochromacy



Original Color

24.4089, 0.4786, 0.4582

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.7926, 0.3883, 0.4078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4089, 0.4786, 0.4582 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(176, 127, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 127, 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(176, 127, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 127, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.4089, 0.4786, 0.4582 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(176, 127, 0) }
```

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

```
.border{ border-color:rgb(176, 127, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 127, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 127, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 127, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 127,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4089, 0.4786, 0.4582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 127, 0) }
```

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

```
.background{ background-color: rgb(176,  
127, 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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