

Converting Colors

$Y_{xy}(25.1232, 0.4833, 0.4545)$

Have a look what the booklet for
Yxy(25.1232, 0.4833, 0.4545)
contains.

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Color

Yxy(25.0025, 0.4839, 0.4540)

Conversions

Conversions Part 1

Format	Color
Hex	B57F00
RGB	181, 127, 0
RGB Percent	71%, 50%, 0%
CMY	0.2901, 0.5020, 1.0000
CMYK	0.00, 0.30, 1.00, 0.29
HSL	42°, 100%, 35%
HSV	42°, 100%, 71%
XYZ	26.6491, 25.0025, 3.4199
YIQ	128.6680, 72.9510, -28.0490

Conversions

Conversions Part 2

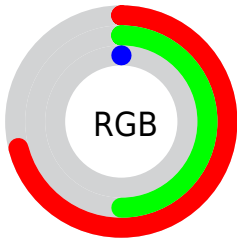
Format	Color
R _Y B	77, 181, 0
Decimal	11894528
CIE Lab	57.08, 12.26, 62.89
CIE LCh	57, 64.078, 78.967
Yxy	25.0025, 0.4839, 0.4540
Android (android.graphics.Color)	4290084608 (0xFFB57F00)
YUV	128.6680, -63.4333, 45.8952
Hunter-Lab	50.0025, 7.6283, 30.9466

Details

The Yxy color **25.0025, 0.4839, 0.4540** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **5.9779, 0.1610, 0.0996**, and the grayscale version is **22.0388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9371, 0.4553, 0.4380**, and **9.6597, 0.4987, 0.4422** is the 20% darker color. If you saturate the color by 10%, you get **25.0039, 0.4839, 0.4540**, and if you desaturate by 10%, it is **26.4810, 0.4721, 0.4550**.

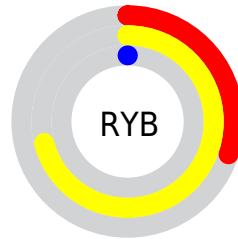
Distribution



Red (71%)

Green (50%)

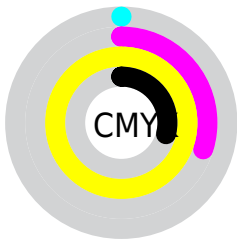
Blue (0%)



Red (30%)

Yellow (71%)

Blue (0%)

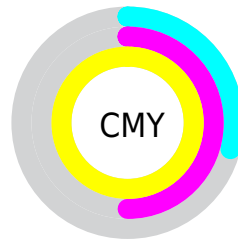


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (29%)



Cyan (29%)


Magenta (50%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.0025, 0.4839, 0.4540 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 25.0025, 0.4839, 0.4540 by changing the saturation by 10% instead.


 25.0025, 0.4839,
0.4540


 25.0025, 0.4839,
0.4540


277.8504, 0.3988,
0.3983


 16.0789, 0.5008,
0.4615


 51.6613, 0.4553,
0.4376


 9.5800, 0.5246,
0.4719


 70.1653, 0.4436,
0.4301


 5.1214, 0.5352,
0.4648

 92.6315, 0.4335,
0.4233

 2.3187, 0.5490,
0.4510

 119.4444, 0.4246,
0.4172


 0.7836, 0.5751,
0.4249


 150.9883, 0.4169,
0.4117


 0.0000, 0.0000,
0.0000


 187.6477, 0.4101,


0.4067

 229.8069, 0.4041,
0.4023


 25.0025, 0.4839,
0.4540

 25.0025, 0.4839,
0.4540

 25.0039, 0.4839,
0.4540

 26.4810, 0.4721,
0.4550

 28.0748, 0.4578,
0.4519

 29.8016, 0.4409,
0.4441

 31.6700, 0.4221,
0.4322

 33.6873, 0.4023,
0.4172

■ 35.8601, 0.3825,
0.4002

■ 38.1945, 0.3632,
0.3822

■ 40.6958, 0.3450,
0.3640

■ 43.3694, 0.3281,
0.3461

Harmonies

Analogous

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



25.0025, 0.5245, 0.3789



25.0025, 0.4839, 0.4540



25.0025, 0.4019, 0.5191

Triad

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



25.0025, 0.4839, 0.4540



25.0025, 0.1553, 0.3102



25.0025, 0.2893, 0.1983

Complementary

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



25.0025, 0.4839, 0.4540



5.9779, 0.1610, 0.0996

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.



25.0025, 0.2025, 0.1758



25.0025, 0.4839, 0.4540



25.0025, 0.1373, 0.2221

Square

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



25.0025, 0.4839, 0.4540



25.0025, 0.2129, 0.4370



25.0025, 0.1531, 0.1814



25.0025, 0.4022, 0.2451

Rectangle

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



25.0025, 0.4839, 0.4540



25.0025, 0.3369, 0.5345



25.0025, 0.1531, 0.1814



25.0025, 0.2563, 0.1879

Sweetspot

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



25.0039, 0.4839, 0.4540



68.1707, 0.3641, 0.3831



10.0956, 0.5759, 0.2946



14.3532, 0.3720, 0.3906



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



25.0039, 0.4839, 0.4540



44.3540, 0.4852, 0.4530



39.0599, 0.3844, 0.5330



9.4698, 0.3270, 0.3449



17.3580, 0.4829, 0.4548



0.6421, 0.4614, 0.4719

Inverse Universe

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



5.9779, 0.1610, 0.0996



10.3576, 0.1603, 0.0969



3.7159, 0.1599, 0.0655



8.6299, 0.2985, 0.3126



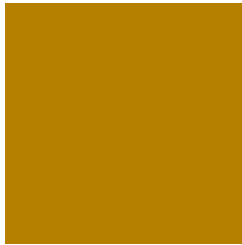
4.2277, 0.1616, 0.1018



0.2376, 0.1779, 0.1604

Previews

White Background



This preview shows how the Yxy color 25.0025, 0.4839, 0.4540 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 25.0025, 0.4839, 0.4540 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 25.0025, 0.4839, 0.4540

Background



This preview shows how black text looks on a background with the Yxy color 25.0025, 0.4839, 0.4540.



This preview shows how white text looks on a background with the Yxy color 25.0025, 0.4839, 0.4540.

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

25.0025, 0.4839, 0.4540

Protanopia

25.1697, 0.4374, 0.4857

Deuteranopia

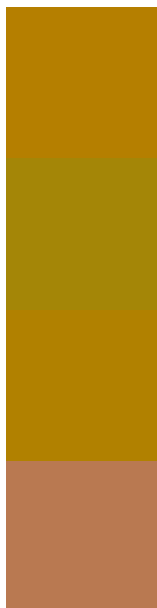
24.9639, 0.4721, 0.4633



Tritanopia

25.0540, 0.3892, 0.3165

Trichromacy



Original Color

25.0025, 0.4839, 0.4540

Protanomaly

24.9580, 0.4539, 0.4746

Deuteranomaly

25.0476, 0.4768, 0.4596

Tritanomaly

24.5831, 0.4430, 0.3844

Monochromacy



Original Color

25.0025, 0.4839, 0.4540

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.3434, 0.3904, 0.4065

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0025, 0.4839, 0.4540 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(181, 127, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 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(181, 127, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 127, 0) }
```

Border

The CSS property to change the border of an element to Yxy 25.0025, 0.4839, 0.4540 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(181, 127, 0) }
```

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

```
.border{ border-color:rgb(181, 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(181, 127, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 127, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 127, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 127,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0025, 0.4839, 0.4540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 127, 0) }
```

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

```
.background{ background-color: rgb(181,  
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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