

Converting Colors

$Y_{xy}(24.4905, 0.4824, 0.4551)$

Have a look what the booklet for
Yxy(24.4905, 0.4824, 0.4551)
contains.

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Color

$Y_{xy}(24.5054, 0.4832, 0.4545)$

Conversions

Conversions Part 1

Format	Color
Hex	B37E00
RGB	179, 126, 0
RGB Percent	70%, 49%, 0%
CMY	0.2980, 0.5059, 0.9997
CMYK	0.00, 0.30, 1.00, 0.30
HSL	42°, 100%, 35%
HSV	42°, 100%, 70%
XYZ	26.0528, 24.5054, 3.3590
YIQ	127.4830, 72.0340, -27.9500

Conversions

Conversions Part 2

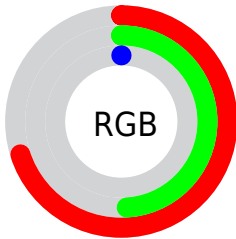
Format	Color
R_{YB}	75, 179, 0
Decimal	11763200
CIE Lab	56.59, 11.91, 62.43
CIE LCh	57, 63.555, 79.203
Yxy	24.5054, 0.4832, 0.4545
Android (android.graphics.Color)	4289953280 (0xFFB37E00)
YUV	127.4830, -62.8491, 45.1804
Hunter-Lab	49.5029, 7.3124, 30.6289

Details

The Yxy color **24.5054, 0.4832, 0.4545** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **5.8099, 0.1609, 0.0993**, and the grayscale version is **21.6050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6089, 0.4545, 0.4377**, and **9.3727, 0.4979, 0.4428** is the 20% darker color. If you saturate the color by 10%, you get **24.5001, 0.4832, 0.4545**, and if you desaturate by 10%, it is **25.9425, 0.4715, 0.4554**.

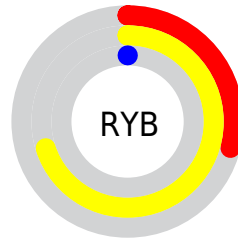
Distribution



Red (70%)

Green (49%)

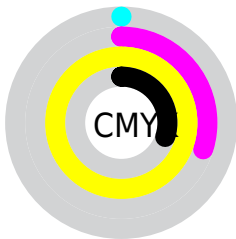
Blue (0%)



Red (29%)

Yellow (70%)

Blue (0%)

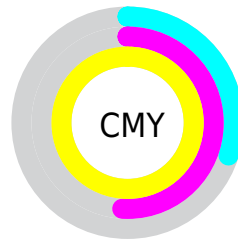


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (30%)



Cyan (30%)


Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.5054, 0.4832, 0.4545 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 24.5054, 0.4832, 0.4545 by changing the saturation by 10% instead.


 24.5054, 0.4832,
0.4545


 24.5054, 0.4832,
0.4545


275.3658, 0.3981,
0.3982


 15.7089, 0.5001,
0.4622


 50.8537, 0.4545,
0.4378


 9.3184, 0.5244,
0.4732


 69.1743, 0.4429,
0.4302

 4.9495, 0.5344,
0.4656

 91.4385, 0.4327,
0.4234

 2.2176, 0.5482,
0.4518

 118.0305, 0.4239,
0.4172


 0.7296, 0.5763,
0.4237

 149.3349, 0.4162,
0.4116

 0.0000, 0.0000,
0.0000


 185.7360, 0.4094,

0.4067

 227.6181, 0.4035,
0.4022


 24.5054, 0.4832,
0.4545


 24.5054, 0.4832,
0.4545


 24.5001, 0.4832,
0.4545

 25.9425, 0.4715,
0.4554

 27.4910, 0.4573,
0.4522

 29.1681, 0.4404,
0.4443

 30.9821, 0.4217,
0.4323

 32.9401, 0.4020,
0.4173

■ 35.0484, 0.3822,
0.4003

■ 37.3130, 0.3630,
0.3822

■ 39.7390, 0.3449,
0.3640

■ 42.3317, 0.3280,
0.3461

Harmonies

Analogous

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



24.5054, 0.5242, 0.3795



24.5054, 0.4832, 0.4545



24.5054, 0.4011, 0.5192

Triad

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



24.5054, 0.4832, 0.4545



24.5054, 0.1552, 0.3094



24.5054, 0.2901, 0.1987

Complementary

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



24.5054, 0.4832, 0.4545



5.8099, 0.1609, 0.0993

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.



24.5054, 0.2031, 0.1760



24.5054, 0.4832, 0.4545



24.5054, 0.1375, 0.2218

Square

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



24.5054, 0.4832, 0.4545



24.5054, 0.2125, 0.4359



24.5054, 0.1535, 0.1814



24.5054, 0.4030, 0.2457

Rectangle

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



24.5054, 0.4832, 0.4545



24.5054, 0.3362, 0.5341



24.5054, 0.1535, 0.1814



24.5054, 0.2571, 0.1883

Sweetspot

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



24.5066, 0.4832, 0.4545



66.5891, 0.3641, 0.3832



9.8504, 0.5756, 0.2945



14.3721, 0.3720, 0.3908



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.



24.5066, 0.4832, 0.4545



43.4672, 0.4845, 0.4535



38.1025, 0.3845, 0.5329



9.4730, 0.3270, 0.3450



17.4288, 0.4823, 0.4552



0.6439, 0.4610, 0.4721

Inverse Universe

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



5.8099, 0.1609, 0.0993



10.0539, 0.1602, 0.0965



3.6295, 0.1600, 0.0655



8.6269, 0.2985, 0.3125



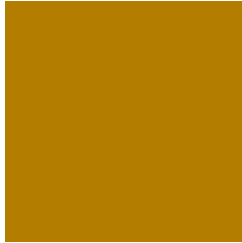
4.2017, 0.1615, 0.1013



0.2364, 0.1777, 0.1598

Previews

White Background



This preview shows how the Yxy color 24.5054, 0.4832, 0.4545 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 24.5054, 0.4832, 0.4545 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 24.5054, 0.4832, 0.4545

Background



This preview shows how black text looks on a background with the Yxy color 24.5054, 0.4832, 0.4545.



This preview shows how white text looks on a background with the Yxy color 24.5054, 0.4832, 0.4545.

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

24.5054, 0.4832, 0.4545

Protanopia

24.7855, 0.4375, 0.4856

Deuteranopia

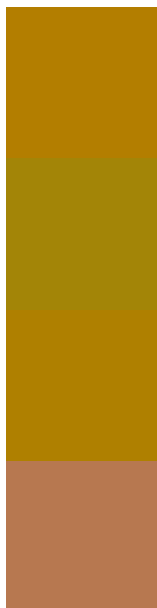
24.4712, 0.4714, 0.4639



Tritanopia

24.5432, 0.3885, 0.3164

Trichromacy



Original Color

24.5054, 0.4832, 0.4545

Protanomaly

24.5769, 0.4541, 0.4744

Deuteranomaly

24.5523, 0.4761, 0.4602

Tritanomaly

24.0794, 0.4427, 0.3850

Monochromacy



Original Color

24.5054, 0.4832, 0.4545

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.8838, 0.3896, 0.4074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5054, 0.4832, 0.4545 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(179, 126, 0)` looks like.

```
.text, #text, p{  
    color:rgb(179, 126, 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(179, 126, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 126, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.5054, 0.4832, 0.4545 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(179, 126, 0) }
```

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

```
.border{ border-color:rgb(179, 126, 0) }
```

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

Here you see how a box with a 4 pixel rgb(179, 126, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 126, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 126, 0);  
box-shadow:4px 4px 4px 4px rgb(179, 126,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5054, 0.4832, 0.4545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 126, 0) }
```

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

```
.background{ background-color: rgb(179,  
126, 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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