

Converting Colors

$Y_{xy}(18.0405, 0.4165, 0.5074)$

Have a look what the booklet for
Yxy(18.0405, 0.4165, 0.5074)
contains.

Yxy(17.9121, 0.4166, 0.5074)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(17.9121, 0.4166, 0.5074)

Conversions

Conversions Part 1

Format	Color
Hex	787A00
RGB	120, 122, 0
RGB Percent	47%, 48%, 0%
CMY	0.5294, 0.5216, 0.9999
CMYK	0.02, 0.00, 1.00, 0.52
HSL	61°, 100%, 24%
HSV	61°, 100%, 48%
XYZ	14.7067, 17.9121, 2.6829
YIQ	107.4940, 37.9700, -38.3660

Conversions

Conversions Part 2

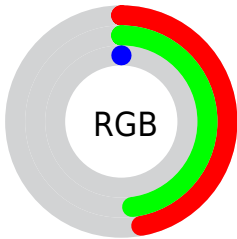
Format	Color
RYB	0, 122, 2
Decimal	7895552
CIELab	49.39, -13.42, 54.54
CIELCh	49, 56.169, 103.825
Yxy	17.9121, 0.4166, 0.5074
Android (android.graphics.Color)	4286085632 (0xFF787A00)
YUV	107.4940, -52.9945, 10.9678
Hunter-Lab	42.3227, -12.0378, 25.8674

Details

The Yxy color **17.9121, 0.4166, 0.5074** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.4188, 0.1508, 0.0605**, and the grayscale version is **14.9921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8724, 0.4015, 0.4713**, and **6.1265, 0.4066, 0.5154** is the 20% darker color. If you saturate the color by 10%, you get **17.9128, 0.4166, 0.5074**, and if you desaturate by 10%, it is **17.9542, 0.4135, 0.5016**.

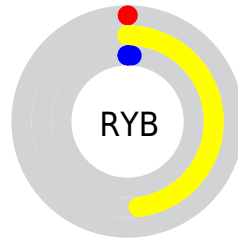
Distribution



Red (47%)

Green (48%)

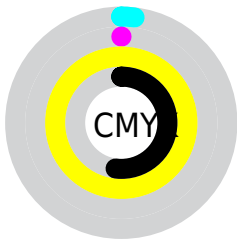
Blue (0%)



Red (0%)

Yellow (48%)

Blue (1%)

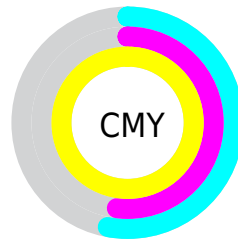


Cyan (2%)

Magenta (0%)

Yellow (100%)

Black (52%)



Cyan (53%)

Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.9121, 0.4166, 0.5074 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 17.9121, 0.4166, 0.5074 by changing the saturation by 10% instead.

■ 17.9121, 0.4166,
0.5074

■ 17.9121, 0.4166,
0.5074

■ 240.3751, 0.3659,
0.4091

■ 10.8869, 0.4239,
0.5305

■ 39.8875, 0.4007,
0.4713

■ 5.9908, 0.4344,
0.5656

■ 55.6065, 0.3937,
0.4576

■ 2.8395, 0.4189,
0.5811

■ 74.9922, 0.3875,
0.4461

■ 1.0485, 0.3864,
0.6136

■ 98.4290, 0.3820,
0.4363


■ 0.0000, 0.0000,
0.0000


■ 126.3013, 0.3772,
0.4280


■ 158.9935, 0.3730,


0.4208


 196.8900, 0.3692,
0.4146

 17.9121, 0.4166,
0.5074


 17.9121, 0.4166,
0.5074


 17.9128, 0.4166,
0.5074

 17.9542, 0.4135,
0.5016

 18.0091, 0.4089,
0.4932

 18.0869, 0.4019,
0.4808

 18.1903, 0.3926,
0.4647

 18.3215, 0.3814,
0.4454

■ 18.4828, 0.3686,
0.4236

■ 18.6758, 0.3549,
0.4003

■ 18.9024, 0.3408,
0.3763

■ 19.1641, 0.3266,
0.3523

Harmonies

Analogous

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



17.9121, 0.4919, 0.4401



17.9121, 0.4166, 0.5074



17.9121, 0.3213, 0.5277

Triad

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



17.9121, 0.4166, 0.5074



17.9121, 0.1405, 0.2355



17.9121, 0.3813, 0.2372

Complementary

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



17.9121, 0.4166, 0.5074



1.4188, 0.1508, 0.0605

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.



17.9121, 0.2727, 0.1947



17.9121, 0.4166, 0.5074



17.9121, 0.1505, 0.1880

Square

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



17.9121, 0.4166, 0.5074



17.9121, 0.1649, 0.3306



17.9121, 0.1934, 0.1770



17.9121, 0.4809, 0.2976

Rectangle

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



17.9121, 0.4166, 0.5074



17.9121, 0.2575, 0.4894



17.9121, 0.1934, 0.1770



17.9121, 0.3435, 0.2206

Sweetspot

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



17.9129, 0.4166, 0.5074



32.8294, 0.3560, 0.4021



4.1383, 0.6400, 0.3300



7.4792, 0.3607, 0.4101



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



17.9129, 0.4166, 0.5074



31.5085, 0.4165, 0.5075



14.9115, 0.3390, 0.5690



4.6308, 0.3253, 0.3502



18.8593, 0.4166, 0.5074



89.9221, 0.4164, 0.5075

Inverse Universe

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



1.4188, 0.1508, 0.0605



2.4887, 0.1506, 0.0603



2.3984, 0.2058, 0.0908



3.8964, 0.2996, 0.3069



1.4925, 0.1508, 0.0604



7.0834, 0.1504, 0.0602

Previews

White Background



This preview shows how the Yxy color 17.9121, 0.4166, 0.5074 looks on a white 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

Black Background



This preview shows how the Yxy color 17.9121, 0.4166, 0.5074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

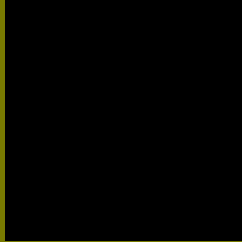
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9121, 0.4166, 0.5074

Background



This preview shows how black text looks on a background with the Yxy color 17.9121, 0.4166, 0.5074.



This preview shows how white text looks on a background with the Yxy color 17.9121, 0.4166, 0.5074.

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

17.9121, 0.4166, 0.5074

Protanopia

17.9434, 0.4400, 0.4888

Deuteranopia

17.7118, 0.4642, 0.4564



Tritanopia

17.8046, 0.3214, 0.3123

Trichromacy



Original Color

17.9121, 0.4166, 0.5074

Protanomaly

17.7828, 0.4318, 0.4954

Deuteranomaly

17.6913, 0.4477, 0.4749

Tritanomaly

17.4008, 0.3722, 0.4028

Monochromacy



Original Color

17.9121, 0.4166, 0.5074

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.6847, 0.3664, 0.4207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9121, 0.4166, 0.5074 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(120, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(120, 122, 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(120, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 122, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.9121, 0.4166, 0.5074 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(120, 122, 0) }
```

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

```
.border{ border-color:rgb(120, 122, 0) }
```

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

Here you see how a box with a 4 pixel rgb(120, 122, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(120, 122,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9121, 0.4166, 0.5074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 122, 0) }
```

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

```
.background{ background-color: rgb(120,  
122, 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