

Converting Colors

$Y_{xy}(17.7797, 0.4115, 0.5114)$

Have a look what the booklet for
Yxy(17.7797, 0.4115, 0.5114)
contains.

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Color

Yxy(17.7010, 0.4125, 0.5107)

Conversions

Conversions Part 1

Format	Color
Hex	757A00
RGB	117, 122, 0
RGB Percent	46%, 48%, 0%
CMY	0.5411, 0.5216, 1.0000
CMYK	0.04, 0.00, 1.00, 0.52
HSL	62°, 100%, 24%
HSV	62°, 100%, 48%
XYZ	14.2974, 17.7010, 2.6619
YIQ	106.5970, 36.1820, -39.0020

Conversions

Conversions Part 2

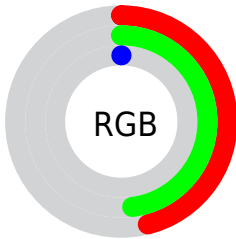
Format	Color
RYB	0, 122, 5
Decimal	7698944
CIELab	49.13, -14.82, 54.25
CIELCh	49, 56.238, 105.283
Yxy	17.7010, 0.4125, 0.5107
Android (android.graphics.Color)	4285889024 (0xFF757A00)
YUV	106.5970, -52.5523, 9.1234
Hunter-Lab	42.0726, -12.9680, 25.6995

Details

The Yxy color **17.7010, 0.4125, 0.5107** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.4372, 0.1520, 0.0611**, and the grayscale version is **14.7274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4129, 0.3975, 0.4737**, and **6.0214, 0.4001, 0.5205** is the 20% darker color. If you saturate the color by 10%, you get **17.7019, 0.4125, 0.5107**, and if you desaturate by 10%, it is **17.7635, 0.4098, 0.5044**.

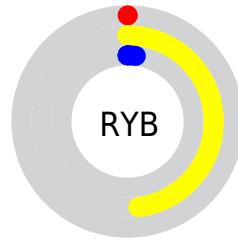
Distribution



Red (46%)

Green (48%)

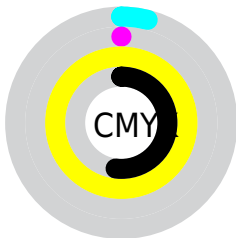
Blue (0%)



Red (0%)

Yellow (48%)

Blue (2%)

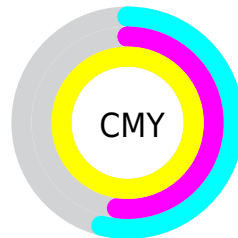


Cyan (4%)

Magenta (0%)

Yellow (100%)

Black (52%)



Cyan (54%)


Magenta (52%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7010, 0.4125, 0.5107 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 17.7010, 0.4125, 0.5107 by changing the saturation by 10% instead.


 17.7010, 0.4125,
0.5107


 17.7010, 0.4125,
0.5107


239.1803, 0.3642,
0.4098


 10.7355, 0.4191,
0.5349


 39.5272, 0.3975,
0.4733


 5.8893, 0.4283,
0.5717

 55.1567, 0.3909,
0.4593


 2.7779, 0.4110,
0.5890

 74.4430, 0.3849,
0.4475

 1.0169, 0.3707,
0.6293

 97.7705, 0.3797,
0.4375


 0.0000, 0.0000,
0.0000


 125.5236, 0.3751,
0.4290


 158.0866, 0.3710,

0.4217


 195.8441, 0.3674,
0.4154


 17.7010, 0.4125,
0.5107


 17.7010, 0.4125,
0.5107


 17.7019, 0.4125,
0.5107

 17.7635, 0.4098,
0.5044

 17.8389, 0.4056,
0.4955

 17.9373, 0.3990,
0.4827

 18.0615, 0.3901,
0.4661

 18.2136, 0.3793,
0.4463

■ 18.3959, 0.3670,
0.4242

■ 18.6102, 0.3538,
0.4007

■ 18.8581, 0.3400,
0.3765

■ 19.1413, 0.3262,
0.3524

Harmonies

Analogous

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



17.7010, 0.4897, 0.4440



17.7010, 0.4125, 0.5107



17.7010, 0.3164, 0.5276

Triad

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



17.7010, 0.4125, 0.5107



17.7010, 0.1396, 0.2317



17.7010, 0.3871, 0.2394

Complementary

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



17.7010, 0.4125, 0.5107



1.4372, 0.1520, 0.0611

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.



17.7010, 0.2773, 0.1957



17.7010, 0.4125, 0.5107



17.7010, 0.1512, 0.1861

Square

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



17.7010, 0.4125, 0.5107



17.7010, 0.1621, 0.3248



17.7010, 0.1959, 0.1766



17.7010, 0.4854, 0.3006

Rectangle

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



17.7010, 0.4125, 0.5107



17.7010, 0.2528, 0.4858



17.7010, 0.1959, 0.1766



17.7010, 0.3491, 0.2224

Sweetspot

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



17.7019, 0.4125, 0.5107



32.7126, 0.3548, 0.4024



4.2257, 0.6361, 0.3331



7.4496, 0.3593, 0.4105



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.



17.7019, 0.4125, 0.5107



31.1291, 0.4123, 0.5108



14.7866, 0.3346, 0.5725



4.6260, 0.3249, 0.3502



18.6369, 0.4125, 0.5107



88.8066, 0.4121, 0.5110

Inverse Universe

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



1.4372, 0.1520, 0.0611



2.5137, 0.1515, 0.0608



2.5312, 0.2124, 0.0943



3.9006, 0.2999, 0.3070



1.5123, 0.1520, 0.0611



7.1233, 0.1509, 0.0605

Previews

White Background



This preview shows how the Yxy color 17.7010, 0.4125, 0.5107 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 17.7010, 0.4125, 0.5107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

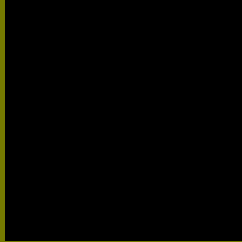
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7010, 0.4125, 0.5107

Background



This preview shows how black text looks on a background with the Yxy color 17.7010, 0.4125, 0.5107.



This preview shows how white text looks on a background with the Yxy color 17.7010, 0.4125, 0.5107.

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

17.7010, 0.4125, 0.5107

Protanopia

17.6281, 0.4402, 0.4887

Deuteranopia

17.6189, 0.4629, 0.4573



Tritanopia

17.5754, 0.3174, 0.3121

Trichromacy



Original Color

17.7010, 0.4125, 0.5107

Protanomaly

17.7057, 0.4304, 0.4965

Deuteranomaly

17.5223, 0.4450, 0.4769

Tritanomaly

17.1784, 0.3679, 0.4040

Monochromacy



Original Color

17.7010, 0.4125, 0.5107

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.3852, 0.3668, 0.4214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7010, 0.4125, 0.5107 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(117, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(117, 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(117, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 122, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.7010, 0.4125, 0.5107 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(117, 122, 0) }
```

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

```
.border{ border-color:rgb(117, 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(117, 122, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(117, 122,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7010, 0.4125, 0.5107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 122, 0) }
```

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

```
.background{ background-color: rgb(117,  
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](#).

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