

Converting Colors

$Y_{xy}(17.6049, 0.4256, 0.4846)$

Have a look what the booklet for
Yxy(17.6049, 0.4256, 0.4846)
contains.

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Color

Yxy(17.5966, 0.4267, 0.4842)

Conversions

Conversions Part 1

Format	Color
Hex	807614
RGB	128, 118, 20
RGB Percent	50%, 46%, 8%
CMY	0.4980, 0.5372, 0.9218
CMYK	0.00, 0.08, 0.84, 0.50
HSL	54°, 73%, 29%
HSV	54°, 84%, 50%
XYZ	15.5070, 17.5966, 3.2380
YIQ	109.8180, 37.4180, -28.3580

Conversions

Conversions Part 2

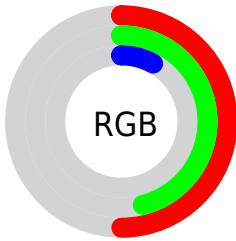
Format	Color
R_{YB}	31, 128, 20
Decimal	8418836
CIE Lab	49.00, -6.97, 50.11
CIE LCh	49, 50.594, 97.923
Yxy	17.5966, 0.4267, 0.4842
Android (android.graphics.Color)	4286608916 (0xFF807614)
YUV	109.8180, -44.2803, 15.9456
Hunter-Lab	41.9483, -7.4237, 24.7872

Details

The Yxy color **17.5966, 0.4267, 0.4842** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.6324, 0.1662, 0.0941**, and the grayscale version is **15.6581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4342, 0.4065, 0.4531**, and **5.9168, 0.4324, 0.4948** is the 20% darker color. If you saturate the color by 10%, you get **17.2855, 0.4329, 0.4896**, and if you desaturate by 10%, it is **17.9363, 0.4180, 0.4748**.

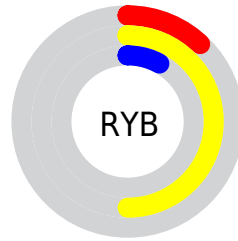
Distribution



Red (50%)

Green (46%)

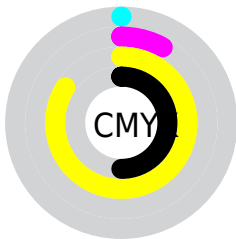
Blue (8%)



Red (12%)

Yellow (50%)

Blue (8%)

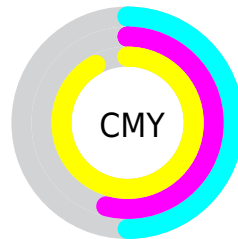


Cyan (0%)

Magenta (8%)

Yellow (84%)

Black (50%)



Cyan (50%)


Magenta (54%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5966, 0.4267, 0.4842 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 17.5966, 0.4267, 0.4842 by changing the saturation by 10% instead.


 17.5966, 0.4267,
0.4842


 17.5966, 0.4267,
0.4842


 238.5873, 0.3677,
0.3992


 10.6608, 0.4382,
0.5042


 39.3487, 0.4064,
0.4530


 5.8392, 0.4599,
0.5401

 54.9338, 0.3982,
0.4412


 2.7476, 0.4520,
0.5480

 74.1708, 0.3912,
0.4312

 1.0014, 0.4369,
0.5631


 97.4440, 0.3851,
0.4228

 0.0000, 0.0000,
0.0000

 125.1378, 0.3799,
0.4156


 157.6368, 0.3753,

0.4094


 195.3251, 0.3712,
0.4039


 17.5966, 0.4267,
0.4842


 17.5966, 0.4267,
0.4842


 17.2855, 0.4329,
0.4896


 17.9363, 0.4180,
0.4748

 17.1166, 0.4360,
0.4920

 18.3060, 0.4070,
0.4614

 18.7092, 0.3941,
0.4447

 19.1483, 0.3797,
0.4253

 19.6258, 0.3645,
0.4042

■ 20.1434, 0.3490,
0.3822

■ 20.7031, 0.3338,
0.3600

■ 21.3066, 0.3190,
0.3383

■ 21.9556, 0.3050,
0.3175

Harmonies

Analogous

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



17.5966, 0.4880, 0.4216



17.5966, 0.4267, 0.4842



17.5966, 0.3410, 0.5106

Triad

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



17.5966, 0.4267, 0.4842



17.5966, 0.1549, 0.2584



17.5966, 0.3554, 0.2351

Complementary

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



17.5966, 0.4267, 0.4842



2.6324, 0.1662, 0.0941

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.



17.5966, 0.2597, 0.1993



17.5966, 0.4267, 0.4842



17.5966, 0.1579, 0.2051

Square

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



17.5966, 0.4267, 0.4842



17.5966, 0.1859, 0.3532



17.5966, 0.1922, 0.1879



17.5966, 0.4507, 0.2894

Rectangle

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



17.5966, 0.4267, 0.4842



17.5966, 0.2809, 0.4864



17.5966, 0.1922, 0.1879



17.5966, 0.3215, 0.2207

Sweetspot

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



17.5974, 0.4267, 0.4842



35.3538, 0.3508, 0.3847



5.1854, 0.5741, 0.3168



8.2130, 0.3554, 0.3913



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



17.5974, 0.4267, 0.4842



30.0234, 0.4364, 0.4917



17.4109, 0.3572, 0.5375



4.9535, 0.3258, 0.3484



16.9720, 0.4360, 0.4920



0.0000, 0.0000, 0.0000

Inverse Universe

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



2.6324, 0.1662, 0.0941



3.0954, 0.1519, 0.0668



3.1191, 0.2067, 0.1039



4.2708, 0.2993, 0.3088



1.8035, 0.1525, 0.0689



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.5966, 0.4267, 0.4842 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 Xyz color 17.5966, 0.4267, 0.4842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

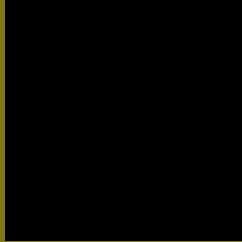
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5966, 0.4267, 0.4842

Background



This preview shows how black text looks on a background with the Yxy color 17.5966, 0.4267, 0.4842.



This preview shows how white text looks on a background with the Yxy color 17.5966, 0.4267, 0.4842.

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

17.5966, 0.4267, 0.4842

Protanopia

17.5984, 0.4322, 0.4799

Deuteranopia

17.6421, 0.4598, 0.4533



Tritanopia

17.6108, 0.3364, 0.3145

Trichromacy



Original Color

17.5966, 0.4267, 0.4842

Protanomaly

17.5189, 0.4308, 0.4809

Deuteranomaly

17.6719, 0.4472, 0.4652

Tritanomaly

17.3250, 0.3790, 0.3876

Monochromacy



Original Color

17.5966, 0.4267, 0.4842

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.1280, 0.3638, 0.4025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5966, 0.4267, 0.4842 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(128, 118, 20)` looks like.

```
.text, #text, p{  
    color:rgb(128, 118, 20)  
}
```

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(128, 118, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 118, 20) }
```

Border

The CSS property to change the border of an element to Yxy 17.5966, 0.4267, 0.4842 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(128, 118, 20) }
```

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

```
.border{ border-color:rgb(128, 118, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 118, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 118, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 118, 20);  
box-shadow:4px 4px 4px 4px rgb(128, 118,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5966, 0.4267, 0.4842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 118, 20) }
```

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

```
.background{ background-color: rgb(128,  
118, 20) }
```

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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