

Converting Colors

$Y_{xy}(18.6504, 0.4294, 0.4827)$

Have a look what the booklet for
Yxy(18.6504, 0.4294, 0.4827)
contains.

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Color

Yxy(18.7118, 0.4294, 0.4829)

Conversions

Conversions Part 1

Format	Color
Hex	857914
RGB	133, 121, 20
RGB Percent	52%, 47%, 8%
CMY	0.4784, 0.5255, 0.9214
CMYK	0.00, 0.09, 0.85, 0.48
HSL	54°, 74%, 30%
HSV	54°, 85%, 52%
XYZ	16.6387, 18.7118, 3.3983
YIQ	113.0740, 39.5730, -28.8670

Conversions

Conversions Part 2

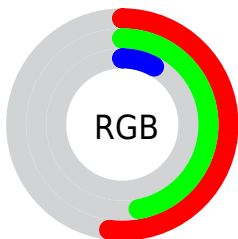
Format	Color
RYP	33, 133, 20
Decimal	8747284
CIELab	50.35, -6.28, 51.42
CIElCh	50, 51.806, 96.964
Yxy	18.7118, 0.4294, 0.4829
Android (android.graphics.Color)	4286937364 (0xFF857914)
YUV	113.0740, -45.8855, 17.4751
Hunter-Lab	43.2571, -7.0405, 25.6222

Details

The Yxy color **18.7118, 0.4294, 0.4829** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.8793, 0.1658, 0.0947**, and the grayscale version is **16.6690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2140, 0.4085, 0.4526**, and **6.4706, 0.4341, 0.4935** is the 20% darker color. If you saturate the color by 10%, you get **18.3354, 0.4358, 0.4879**, and if you desaturate by 10%, it is **19.1202, 0.4205, 0.4739**.

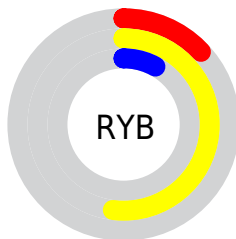
Distribution



Red (52%)

Green (47%)

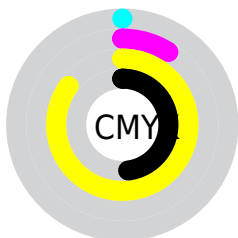
Blue (8%)



Red (13%)

Yellow (52%)

Blue (8%)

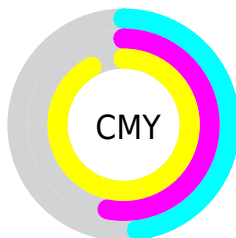


Cyan (0%)

Magenta (9%)

Yellow (85%)

Black (48%)



Cyan (48%)

Magenta (53%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.7118, 0.4294, 0.4829 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 18.7118, 0.4294, 0.4829 by changing the saturation by 10% instead.

18.7118, 0.4294,
0.4829

18.7118, 0.4294,
0.4829

244.8531, 0.3695,
0.3998

11.4622, 0.4410,
0.5020

41.2465, 0.4089,
0.4528

6.3786, 0.4610,
0.5338

57.3005, 0.4006,
0.4412

3.0767, 0.4567,
0.5433

77.0580, 0.3935,
0.4315

1.1719, 0.4449,
0.5551

100.9035, 0.3873,
0.4232


0.0386, 0.0000,
1.0000


129.2214, 0.3819,
0.4161


0.0000, 0.0000,
0.0000

162.3960, 0.3773,


0.4099

 200.8118, 0.3731,
0.4045


 18.7118, 0.4294,
0.4829


 18.7118, 0.4294,
0.4829

 18.3354, 0.4358,
0.4879


 19.1202, 0.4205,
0.4739

 18.1496, 0.4387,
0.4898

 19.5624, 0.4092,
0.4609

 20.0423, 0.3960,
0.4445

 20.5627, 0.3813,
0.4254

 21.1260, 0.3659,
0.4045

■ 21.7345, 0.3502,
0.3828

■ 22.3902, 0.3347,
0.3608

■ 23.0950, 0.3198,
0.3393

■ 23.8507, 0.3057,
0.3187

Harmonies

Analogous

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



18.7118, 0.4898, 0.4196



18.7118, 0.4294, 0.4829



18.7118, 0.3439, 0.5114

Triad

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



18.7118, 0.4294, 0.4829



18.7118, 0.1550, 0.2606



18.7118, 0.3522, 0.2333

Complementary

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



18.7118, 0.4294, 0.4829



2.8793, 0.1658, 0.0947

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.



18.7118, 0.2568, 0.1982



18.7118, 0.4294, 0.4829



18.7118, 0.1569, 0.2058

Square

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



18.7118, 0.4294, 0.4829



18.7118, 0.1871, 0.3568



18.7118, 0.1903, 0.1876



18.7118, 0.4485, 0.2874

Rectangle

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



18.7118, 0.4294, 0.4829



18.7118, 0.2836, 0.4890



18.7118, 0.1903, 0.1876



18.7118, 0.3183, 0.2191

Sweetspot

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



18.7127, 0.4294, 0.4829



38.8402, 0.3512, 0.3842



5.6007, 0.5732, 0.3146



8.6757, 0.3558, 0.3907



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



18.7127, 0.4294, 0.4829



32.3570, 0.4392, 0.4895



18.9893, 0.3594, 0.5371



5.3407, 0.3259, 0.3482



17.2901, 0.4387, 0.4899



0.0659, 0.4282, 0.4982

Inverse Universe

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



2.8793, 0.1658, 0.0947



3.4799, 0.1522, 0.0679



3.2639, 0.2030, 0.1010



4.6185, 0.2992, 0.3090



1.9227, 0.1528, 0.0702



0.0115, 0.1643, 0.1115

Previews

White Background



This preview shows how the Yxy color 18.7118, 0.4294, 0.4829 looks on a white background.

Color Contrast Check

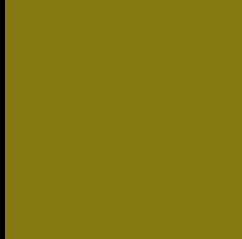
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7118, 0.4294, 0.4829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

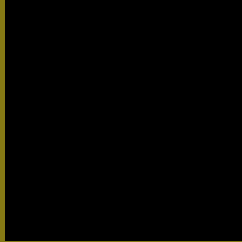
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✗ Fail

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

Yxy 18.7118, 0.4294, 0.4829

Background



This preview shows how black text looks on a background with the Yxy color 18.7118, 0.4294, 0.4829.



This preview shows how white text looks on a background with the Yxy color 18.7118, 0.4294, 0.4829.

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

18.7118, 0.4294, 0.4829

Protanopia

18.6343, 0.4334, 0.4798

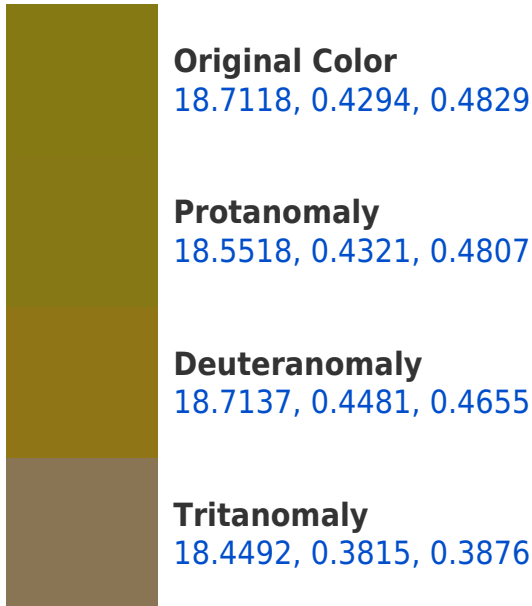
Deuteranopia

18.6841, 0.4605, 0.4539

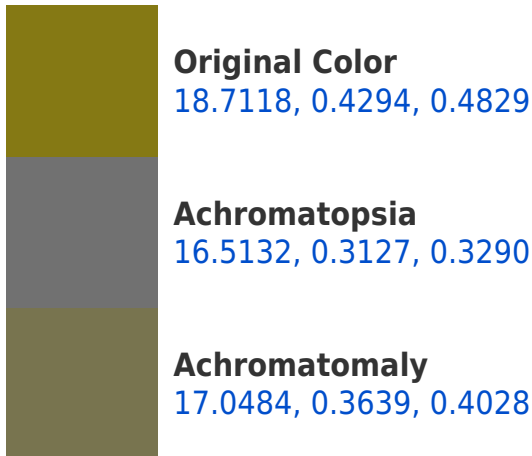


Tritanopia
18.7662, 0.3385, 0.3149

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7118, 0.4294, 0.4829 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(133, 121, 20)` looks like.

```
.text, #text, p{
    color:rgb(133, 121, 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(133, 121, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 121, 20) }
```

Border

The CSS property to change the border of an element to Yxy 18.7118, 0.4294, 0.4829 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".

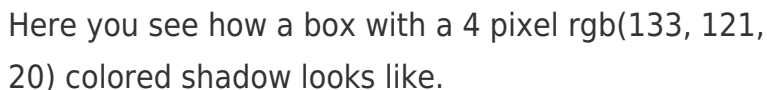
```
.border, #border, table{ border:4px solid rgb(133, 121, 20) }
```

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

```
.border{ border-color:rgb(133, 121, 20) }
```

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

Here you see how a box with a 4 pixel rgb(133, 121, 20) colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 121, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 121, 20);  
box-shadow:4px 4px 4px 4px rgb(133, 121,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7118, 0.4294, 0.4829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 121, 20) }
```

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

```
.background{ background-color: rgb(133,  
121, 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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