

Converting Colors

$Y_{xy}(17.9911, 0.4297, 0.4748)$

Have a look what the booklet for
Yxy(17.9911, 0.4297, 0.4748)
contains.

Yxy(18.0180, 0.4305, 0.4748)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.0180, 0.4305, 0.4748)

Conversions

Conversions Part 1

Format	Color
Hex	85761A
RGB	133, 118, 26
RGB Percent	52%, 46%, 10%
CMY	0.4785, 0.5372, 0.8980
CMYK	0.00, 0.11, 0.80, 0.48
HSL	52°, 67%, 31%
HSV	52°, 80%, 52%
XYZ	16.3369, 18.0180, 3.5937
YIQ	111.9970, 38.4720, -25.4320

Conversions

Conversions Part 2

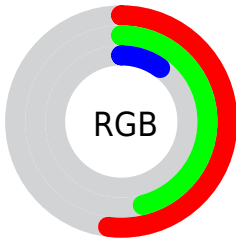
Format	Color
R_{YB}	43, 133, 26
Decimal	8746522
CIE Lab	49.52, -4.40, 48.81
CIE LCh	50, 49.006, 95.155
Yxy	18.0180, 0.4305, 0.4748
Android (android.graphics.Color)	4286936602 (0xFF85761A)
YUV	111.9970, -42.3965, 18.4196
Hunter-Lab	42.4476, -5.5838, 24.6937

Details

The Yxy color **18.0180, 0.4305, 0.4748** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.4976, 0.1729, 0.1109**, and the grayscale version is **16.3208, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1183, 0.4088, 0.4464**, and **6.0858, 0.4410, 0.4881** is the 20% darker color. If you saturate the color by 10%, you get **17.5381, 0.4390, 0.4811**, and if you desaturate by 10%, it is **18.5359, 0.4194, 0.4643**.

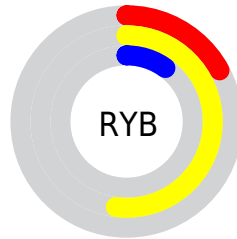
Distribution



Red (52%)

Green (46%)

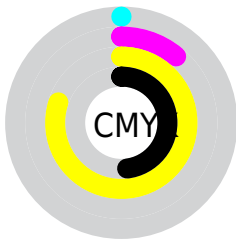
Blue (10%)



Red (17%)

Yellow (52%)

Blue (10%)

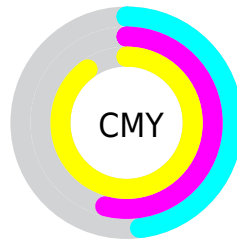


Cyan (0%)

Magenta (11%)

Yellow (80%)

Black (48%)



Cyan (48%)

Magenta (54%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.0180, 0.4305, 0.4748 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 18.0180, 0.4305, 0.4748 by changing the saturation by 10% instead.

18.0180, 0.4305,
0.4748

18.0180, 0.4305,
0.4748

240.9725, 0.3687,
0.3956

10.9629, 0.4435,
0.4933

40.0680, 0.4088,
0.4459

6.0419, 0.4644,
0.5230

55.8317, 0.4002,
0.4349

2.8706, 0.4655,
0.5345

75.2670, 0.3929,
0.4256

1.0645, 0.4568,
0.5432

98.7584, 0.3866,
0.4177

0.0000, 0.0000,
0.0000

126.6903, 0.3812,
0.4110

159.4470, 0.3764,

0.4051

197.4129, 0.3723,
0.4001

18.0180, 0.4305,
0.4748

18.0180, 0.4305,
0.4748

17.5381, 0.4390,
0.4811

18.5359, 0.4194,
0.4643

17.1030, 0.4455,
0.4844

19.0926, 0.4062,
0.4501

19.6919, 0.3914,
0.4328

20.3366, 0.3756,
0.4133

21.0289, 0.3595,
0.3926

■ 21.7710, 0.3435,
0.3713

■ 22.5649, 0.3280,
0.3503

■ 23.4126, 0.3134,
0.3299

■ 24.3158, 0.2997,
0.3105

Harmonies

Analogous

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



18.0180, 0.4858, 0.4138



18.0180, 0.4305, 0.4748



18.0180, 0.3490, 0.5036

Triad

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



18.0180, 0.4305, 0.4748



18.0180, 0.1612, 0.2684



18.0180, 0.3449, 0.2340

Complementary

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



18.0180, 0.4305, 0.4748



3.4976, 0.1729, 0.1109

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.



18.0180, 0.2544, 0.2011



18.0180, 0.4305, 0.4748



18.0180, 0.1610, 0.2125

Square

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



18.0180, 0.4305, 0.4748



18.0180, 0.1950, 0.3624



18.0180, 0.1917, 0.1926



18.0180, 0.4381, 0.2857

Rectangle

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



18.0180, 0.4305, 0.4748



18.0180, 0.2906, 0.4848



18.0180, 0.1917, 0.1926



18.0180, 0.3126, 0.2206

Sweetspot

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



18.0189, 0.4305, 0.4748



38.4371, 0.3500, 0.3800



5.8921, 0.5467, 0.3080



8.5686, 0.3549, 0.3865



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.



18.0189, 0.4305, 0.4748



30.7034, 0.4444, 0.4833



19.3097, 0.3641, 0.5267



5.3148, 0.3260, 0.3475



16.3016, 0.4455, 0.4845



0.0641, 0.4313, 0.4958

Inverse Universe

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



3.4976, 0.1729, 0.1109



3.9333, 0.1551, 0.0755



3.5035, 0.2043, 0.1072



4.6421, 0.2992, 0.3098



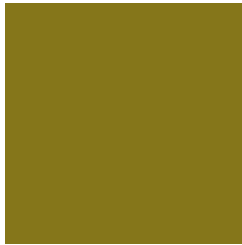
2.0527, 0.1540, 0.0743



0.0133, 0.1683, 0.1258

Previews

White Background



This preview shows how the Yxy color 18.0180, 0.4305, 0.4748 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 18.0180, 0.4305, 0.4748 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 18.0180, 0.4305, 0.4748

Background



This preview shows how black text looks on a background with the Yxy color 18.0180, 0.4305, 0.4748.



This preview shows how white text looks on a background with the Yxy color 18.0180, 0.4305, 0.4748.

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

18.0180, 0.4305, 0.4748

Protanopia

18.0180, 0.4305, 0.4748

Deuteranopia

17.9729, 0.4572, 0.4508



Tritanopia

18.0353, 0.3432, 0.3149

Trichromacy



Original Color

18.0180, 0.4305, 0.4748

Protanomaly

18.0180, 0.4305, 0.4748

Deuteranomaly

17.9581, 0.4484, 0.4587

Tritanomaly

17.7845, 0.3822, 0.3806

Monochromacy



Original Color

18.0180, 0.4305, 0.4748

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.6218, 0.3625, 0.3952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0180, 0.4305, 0.4748 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, 118, 26)` looks like.

```
.text, #text, p{  
    color:rgb(133, 118, 26)  
}
```

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, 118, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 118, 26) }
```

Border

The CSS property to change the border of an element to Yxy 18.0180, 0.4305, 0.4748 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, 118, 26) }
```

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

```
.border{ border-color:rgb(133, 118, 26) }
```

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

Here you see how a box with a 4 pixel rgb(133, 118, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 118, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 118, 26);  
box-shadow:4px 4px 4px 4px rgb(133, 118,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0180, 0.4305, 0.4748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 118, 26) }
```

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

```
.background{ background-color: rgb(133,  
118, 26) }
```

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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