

Converting Colors

$Y_{xy}(18.5862, 0.4219, 0.4955)$

Have a look what the booklet for
Yxy(18.5862, 0.4219, 0.4955)
contains.

Yxy(18.7045, 0.4215, 0.4958)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Yxy(18.7045, 0.4215, 0.4958)$

Conversions

Conversions Part 1

Format	Color
Hex	7F7B0C
RGB	127, 123, 12
RGB Percent	50%, 48%, 5%
CMY	0.5020, 0.5176, 0.9529
CMYK	0.00, 0.03, 0.91, 0.50
HSL	58°, 83%, 27%
HSV	58°, 91%, 50%
XYZ	15.9015, 18.7045, 3.1199
YIQ	111.5420, 38.0150, -33.6730

Conversions

Conversions Part 2

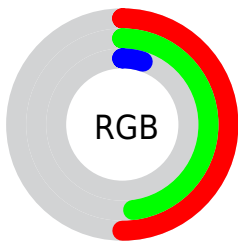
Format	Color
RYB	16, 127, 12
Decimal	8354572
CIELab	50.34, -10.44, 53.18
CIElCh	50, 54.192, 101.105
Yxy	18.7045, 0.4215, 0.4958
Android (android.graphics.Color)	4286544652 (0xFF7F7B0C)
YUV	111.5420, -49.0742, 13.5567
Hunter-Lab	43.2487, -10.0552, 25.9969

Details

The Yxy color **18.7045, 0.4215, 0.4958** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.9809, 0.1579, 0.0751**, and the grayscale version is **16.2005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.1694, 0.4042, 0.4627**, and **6.4880, 0.4172, 0.5069** is the 20% darker color. If you saturate the color by 10%, you get **18.5756, 0.4253, 0.5005**, and if you desaturate by 10%, it is **18.8574, 0.4160, 0.4883**.

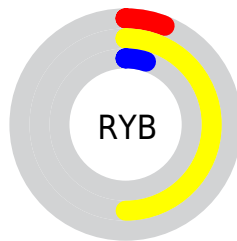
Distribution



Red (50%)

Green (48%)

Blue (5%)



Red (6%)

Yellow (50%)

Blue (5%)

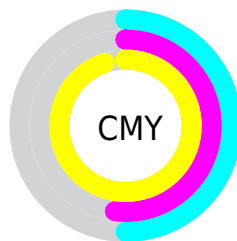


Cyan (0%)

Magenta (3%)

Yellow (91%)

Black (50%)



Cyan (50%)

Magenta (52%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.7045, 0.4215, 0.4958 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 18.7045, 0.4215, 0.4958 by changing the saturation by 10% instead.

18.7045, 0.4215,
0.4958

18.7045, 0.4215,
0.4958

244.8125, 0.3672,
0.4048

11.4570, 0.4308,
0.5171

41.2342, 0.4037,
0.4626

6.3751, 0.4472,
0.5528

57.2851, 0.3962,
0.4499

3.0745, 0.4359,
0.5641

77.0393, 0.3896,
0.4392

1.1707, 0.4158,
0.5842

100.8811, 0.3839,
0.4302

0.0376, 0.0000,
1.0000


129.1949, 0.3789,
0.4225


0.0000, 0.0000,
0.0000


162.3652, 0.3745,

0.4158


 200.7762, 0.3706,
0.4099


 18.7045, 0.4215,
0.4958

 18.7045, 0.4215,
0.4958

 18.5756, 0.4253,
0.5005

 18.8574, 0.4160,
0.4883

 19.0348, 0.4080,
0.4768

 19.2405, 0.3977,
0.4615

 19.4771, 0.3855,
0.4430

 19.7470, 0.3719,
0.4221

■ 20.0522, 0.3574,
0.3995

■ 20.3945, 0.3425,
0.3762

■ 20.7759, 0.3278,
0.3529

■ 21.1978, 0.3135,
0.3302

Harmonies

Analogous

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



18.7045, 0.4900, 0.4312



18.7045, 0.4215, 0.4958



18.7045, 0.3309, 0.5189

Triad

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



18.7045, 0.4215, 0.4958



18.7045, 0.1476, 0.2466



18.7045, 0.3686, 0.2364

Complementary

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



18.7045, 0.4215, 0.4958



1.9809, 0.1579, 0.0751

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.



18.7045, 0.2665, 0.1971



18.7045, 0.4215, 0.4958



18.7045, 0.1543, 0.1963

Square

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



18.7045, 0.4215, 0.4958



18.7045, 0.1751, 0.3416



18.7045, 0.1931, 0.1824



18.7045, 0.4660, 0.2939

Rectangle

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



18.7045, 0.4215, 0.4958



18.7045, 0.2689, 0.4877



18.7045, 0.1931, 0.1824



18.7045, 0.3327, 0.2209

Sweetspot

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



18.7054, 0.4215, 0.4958



36.0816, 0.3531, 0.3928



4.8177, 0.6064, 0.3249



8.4088, 0.3573, 0.3993



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.



18.7054, 0.4215, 0.4958



33.2197, 0.4254, 0.5004



16.7106, 0.3490, 0.5514



4.9946, 0.3257, 0.3496



18.7345, 0.4253, 0.5005



0.0000, 0.0000, 0.0000

Inverse Universe

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



1.9809, 0.1579, 0.0751



2.8689, 0.1507, 0.0625



2.8769, 0.2072, 0.0984



4.2338, 0.2993, 0.3075



1.6415, 0.1509, 0.0633



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.7045, 0.4215, 0.4958 looks on a white background.

Color Contrast Check

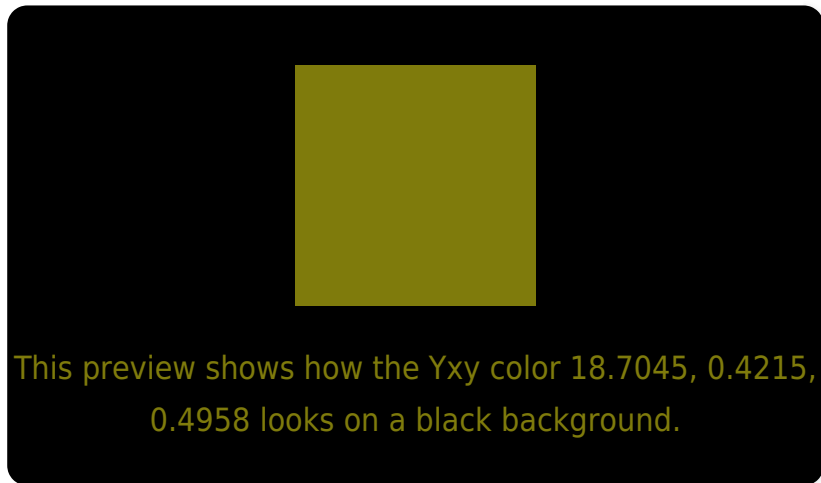
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

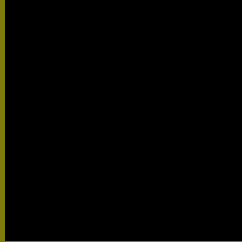
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7045, 0.4215, 0.4958

Background



This preview shows how black text looks on a background with the Yxy color 18.7045, 0.4215, 0.4958.



This preview shows how white text looks on a background with the Yxy color 18.7045, 0.4215, 0.4958.

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

18.7045, 0.4215, 0.4958

Protanopia

18.6080, 0.4367, 0.4846

Deuteranopia

18.6681, 0.4625, 0.4564



Tritanopia

18.6156, 0.3291, 0.3129

Trichromacy



Original Color

18.7045, 0.4215, 0.4958

Protanomaly

18.6044, 0.4312, 0.4888

Deuteranomaly

18.5170, 0.4478, 0.4704

Tritanomaly

18.2526, 0.3752, 0.3927

Monochromacy



Original Color

18.7045, 0.4215, 0.4958

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.7945, 0.3633, 0.4099

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7045, 0.4215, 0.4958 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(127, 123, 12)` looks like.

```
.text, #text, p{  
    color:rgb(127, 123, 12)  
}
```

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(127, 123, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 123, 12) }
```

Border

The CSS property to change the border of an element to Yxy 18.7045, 0.4215, 0.4958 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(127, 123, 12) }
```

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

```
.border{ border-color:rgb(127, 123, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 123, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 123, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 123, 12);  
box-shadow:4px 4px 4px 4px rgb(127, 123,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7045, 0.4215, 0.4958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 123, 12) }
```

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

```
.background{ background-color: rgb(127,  
123, 12) }
```

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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