

Converting Colors

$Y_{xy}(17.0665, 0.4717, 0.3917)$

Have a look what the booklet for
Yxy(17.0665, 0.4717, 0.3917)
contains.

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Color

Yxy(17.2085, 0.4716, 0.3922)

Conversions

Conversions Part 1

Format	Color
Hex	A56338
RGB	165, 99, 56
RGB Percent	65%, 39%, 22%
CMY	0.3530, 0.6117, 0.7803
CMYK	0.00, 0.40, 0.66, 0.35
HSL	24°, 49%, 43%
HSV	24°, 66%, 65%
XYZ	20.6923, 17.2085, 5.9760
YIQ	113.8320, 53.1390, 0.6190

Conversions

Conversions Part 2

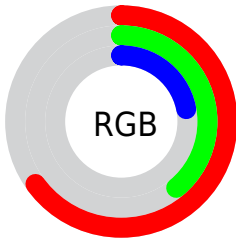
Format	Color
RYB	165, 127, 56
Decimal	10838840
CIELab	48.52, 22.68, 35.24
CIElCh	49, 41.905, 57.237
Yxy	17.2085, 0.4716, 0.3922
Android (android.graphics.Color)	4289028920 (0xFFA56338)
YUV	113.8320, -28.5112, 44.8743
Hunter-Lab	41.4831, 16.4426, 20.4969

Details

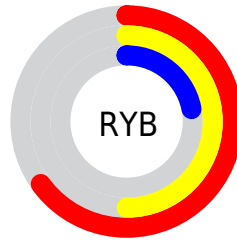
The Yxy color **17.2085, 0.4716, 0.3922** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.4812, 0.2166, 0.2461**, and the grayscale version is **16.8507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6595, 0.4369, 0.3826**, and **5.6408, 0.5327, 0.3982** is the 20% darker color. If you saturate the color by 10%, you get **15.2959, 0.5036, 0.3957**, and if you desaturate by 10%, it is **19.4104, 0.4401, 0.3853**.

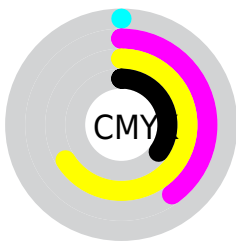
Distribution



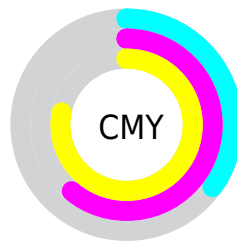
- Red (65%)
- Green (39%)
- Blue (22%)



- Red (65%)
- Yellow (50%)
- Blue (22%)



- Cyan (0%)
- Magenta (40%)
- Yellow (66%)
- Black (35%)



- Cyan (35%)
- Magenta (61%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2085, 0.4716, 0.3922 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 17.2085, 0.4716, 0.3922 by changing the saturation by 10% instead.


 17.2085, 0.4716,
0.3922


 17.2085, 0.4716,
0.3922


236.3711, 0.3804,
0.3620


 10.3833, 0.4974,
0.3970


 38.6839, 0.4359,
0.3826


 5.6538, 0.5313,
0.3998

 54.1029, 0.4232,
0.3784

 2.6357, 0.5926,
0.4074

 73.1552, 0.4128,
0.3748

 0.9447, 0.6300,
0.3700

 96.2253, 0.4041,
0.3716

 0.0000, 1.0000,
0.0000

 123.6975, 0.3968,
0.3687

 0.0000, 0.0000,
0.0000

 155.9563, 0.3905,

0.3662

193.3860, 0.3852,
0.3640

■ 17.2085, 0.4716,
0.3922

■ 17.2085, 0.4716,
0.3922

■ 15.2959, 0.5036,
0.3957

■ 19.4104, 0.4401,
0.3853

■ 13.6559, 0.5338,
0.3947

■ 21.9117, 0.4105,
0.3761

■ 12.2730, 0.5599,
0.3886

■ 24.7252, 0.3839,
0.3659

■ 11.7879, 0.5698,
0.3858

■ 27.8621, 0.3603,
0.3552

■ 31.3329, 0.3398,
0.3448

■ 35.1477, 0.3222,
0.3348

■ 39.3161, 0.3070,
0.3254

■ 43.8471, 0.2940,
0.3167

■ 48.7498, 0.2828,
0.3087

Harmonies

Analogous

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



17.2085, 0.4615, 0.3330



17.2085, 0.4716, 0.3922



17.2085, 0.4345, 0.4473

Triad

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



17.2085, 0.4716, 0.3922



17.2085, 0.2230, 0.3827



17.2085, 0.2444, 0.2105

Complementary

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



17.2085, 0.4716, 0.3922



17.4812, 0.2166, 0.2461

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.



17.2085, 0.1950, 0.2097



17.2085, 0.4716, 0.3922



17.2085, 0.1831, 0.2966

Square

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



17.2085, 0.4716, 0.3922



17.2085, 0.2900, 0.4582



17.2085, 0.1744, 0.2368



17.2085, 0.3192, 0.2348

Rectangle

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



17.2085, 0.4716, 0.3922



17.2085, 0.3919, 0.4729



17.2085, 0.1744, 0.2368



17.2085, 0.2248, 0.2074

Sweetspot

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



17.2094, 0.4716, 0.3922



53.3565, 0.3483, 0.3493



12.2656, 0.3880, 0.2319



11.3058, 0.3538, 0.3520



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



17.2094, 0.4716, 0.3922



26.0430, 0.5173, 0.3959



30.8323, 0.4131, 0.4631



7.5229, 0.3276, 0.3379



9.0104, 0.5680, 0.3872



0.2800, 0.5047, 0.4374

Inverse Universe

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



17.4812, 0.2166, 0.2461



26.4330, 0.2016, 0.2244



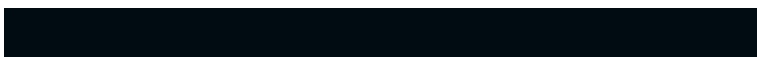
7.7826, 0.1921, 0.1419



7.5400, 0.2987, 0.3199



9.0382, 0.1881, 0.1970



0.2782, 0.2029, 0.2503

Previews

White Background



This preview shows how the Yxy color 17.2085, 0.4716, 0.3922 looks on a white background.

Color Contrast Check

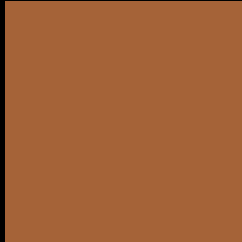
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.2085, 0.4716, 0.3922 looks on a black 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

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

Yxy 17.2085, 0.4716, 0.3922

Background



This preview shows how black text looks on a background with the Yxy color 17.2085, 0.4716, 0.3922.



This preview shows how white text looks on a background with the Yxy color 17.2085, 0.4716, 0.3922.

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

17.2085, 0.4716, 0.3922

Protanopia

17.4278, 0.3953, 0.4301

Deuteranopia

17.2485, 0.4325, 0.4252



Tritanopia

17.2698, 0.4149, 0.3185

Trichromacy



Original Color

17.2085, 0.4716, 0.3922

Protanomaly

17.1408, 0.4219, 0.4162

Deuteranomaly

17.1537, 0.4471, 0.4128

Tritanomaly

17.2371, 0.4372, 0.3463

Monochromacy



Original Color

17.2085, 0.4716, 0.3922

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.7141, 0.3680, 0.3594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2085, 0.4716, 0.3922 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(165, 99, 56)` looks like.

```
.text, #text, p{  
    color:rgb(165, 99, 56)  
}
```

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(165, 99, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 99, 56) }
```

Border

The CSS property to change the border of an element to Yxy 17.2085, 0.4716, 0.3922 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(165, 99, 56) }
```

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

```
.border{ border-color:rgb(165, 99, 56) }
```

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

Here you see how a box with a 4 pixel rgb(165, 99, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 99, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 99, 56);  
box-shadow:4px 4px 4px 4px rgb(165, 99,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2085, 0.4716, 0.3922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 99, 56) }
```

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

```
.background{ background-color: rgb(165, 99,  
56) }
```

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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