

Converting Colors

$Y_{xy}(16.7054, 0.4766, 0.3829)$

Have a look what the booklet for
Yxy(16.7054, 0.4766, 0.3829)
contains.

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Color

Yxy(16.7054, 0.4766, 0.3829)

Conversions

Conversions Part 1

Format	Color
Hex	A75F3A
RGB	167, 95, 58
RGB Percent	65%, 37%, 23%
CMY	0.3451, 0.6274, 0.7726
CMYK	0.00, 0.43, 0.65, 0.35
HSL	20°, 48%, 44%
HSV	20°, 65%, 65%
XYZ	20.7934, 16.7054, 6.1298
YIQ	112.3100, 54.7890, 3.7570

Conversions

Conversions Part 2

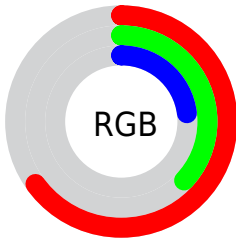
Format	Color
R_{YB}	167, 114, 58
Decimal	10968890
CIE Lab	47.89, 25.90, 33.50
CIE LCh	48, 42.344, 52.285
Yxy	16.7054, 0.4766, 0.3829
Android (android.graphics.Color)	4289158970 (0xFFA75F3A)
YUV	112.3100, -26.7748, 47.9631
Hunter-Lab	40.8722, 19.2839, 19.7185

Details

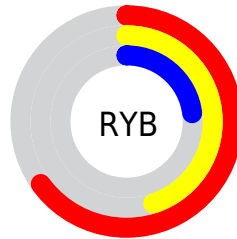
The Yxy color **16.7054, 0.4766, 0.3829** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.6538, 0.2203, 0.2592**, and the grayscale version is **16.3674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7671, 0.4398, 0.3754**, and **5.3771, 0.5402, 0.3863** is the 20% darker color. If you saturate the color by 10%, you get **14.7144, 0.5113, 0.3856**, and if you desaturate by 10%, it is **19.0347, 0.4428, 0.3770**.

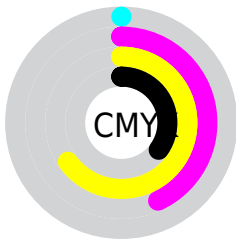
Distribution



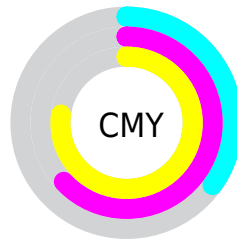
- Red (65%)
- Green (37%)
- Blue (23%)



- Red (65%)
- Yellow (45%)
- Blue (23%)



- Cyan (0%)
- Magenta (43%)
- Yellow (65%)
- Black (35%)





- Cyan (35%)
- Magenta (63%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.7054, 0.4766, 0.3829 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 16.7054, 0.4766, 0.3829 by changing the saturation by 10% instead.


 16.7054, 0.4766,
0.3829


 16.7054, 0.4766,
0.3829


233.4689, 0.3818,
0.3581

 10.0247, 0.5040,
0.3861


 37.8186, 0.4391,
0.3754


 5.4153, 0.5403,
0.3868

 53.0198, 0.4259,
0.3720

 2.4929, 0.6080,
0.3920

 71.8300, 0.4151,
0.3690

 0.8731, 0.6508,
0.3492

 94.6335, 0.4062,
0.3663

 0.0000, 1.0000,
0.0000

 121.8147, 0.3986,
0.3639

 0.0000, 0.0000,
0.0000

 153.7581, 0.3922,

0.3617

190.8481, 0.3867,
0.3598

■ 16.7054, 0.4766,
0.3829

■ 16.7054, 0.4766,
0.3829

■ 14.7144, 0.5113,
0.3856

■ 19.0347, 0.4428,
0.3770

■ 13.0418, 0.5443,
0.3839

■ 21.7156, 0.4116,
0.3691

■ 11.6689, 0.5725,
0.3775

■ 24.7637, 0.3837,
0.3602

■ 11.1130, 0.5848,
0.3738

■ 28.1930, 0.3595,
0.3510

■ 32.0164, 0.3387,
0.3419

■ 36.2465, 0.3210,
0.3333

■ 40.8951, 0.3059,
0.3253

■ 45.9736, 0.2931,
0.3178

■ 51.4929, 0.2822,
0.3110

Harmonies

Analogous

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



16.7054, 0.4577, 0.3231



16.7054, 0.4766, 0.3829



16.7054, 0.4454, 0.4407

Triad

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



16.7054, 0.4766, 0.3829



16.7054, 0.2308, 0.3988



16.7054, 0.2328, 0.2066

Complementary

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



16.7054, 0.4766, 0.3829



19.6538, 0.2203, 0.2592

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.



16.7054, 0.1876, 0.2101



16.7054, 0.4766, 0.3829



16.7054, 0.1852, 0.3089

Square

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



16.7054, 0.4766, 0.3829



16.7054, 0.3022, 0.4692



16.7054, 0.1715, 0.2426



16.7054, 0.3053, 0.2276

Rectangle

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



16.7054, 0.4766, 0.3829



16.7054, 0.4048, 0.4705



16.7054, 0.1715, 0.2426



16.7054, 0.2145, 0.2049

Sweetspot

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



16.7063, 0.4766, 0.3829



53.7626, 0.3489, 0.3465



12.8711, 0.3770, 0.2254



11.6231, 0.3546, 0.3490



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



16.7063, 0.4766, 0.3829



25.0441, 0.5253, 0.3855



29.9656, 0.4172, 0.4559



7.9431, 0.3278, 0.3367



8.5859, 0.5831, 0.3752



0.3033, 0.5207, 0.4247

Inverse Universe

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



19.6538, 0.2203, 0.2592



30.5353, 0.2065, 0.2410



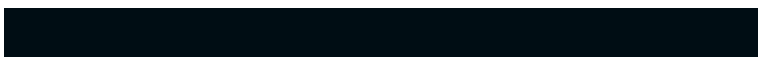
8.8803, 0.1955, 0.1534



8.0966, 0.2987, 0.3212



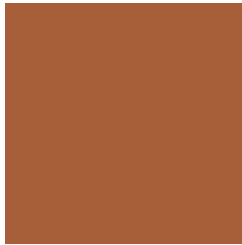
10.8121, 0.1934, 0.2161



0.3521, 0.2049, 0.2578

Previews

White Background



This preview shows how the Yxy color 16.7054, 0.4766, 0.3829 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 16.7054, 0.4766, 0.3829 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 16.7054, 0.4766, 0.3829

Background



This preview shows how black text looks on a background with the Yxy color 16.7054, 0.4766, 0.3829.



This preview shows how white text looks on a background with the Yxy color 16.7054, 0.4766, 0.3829.

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

16.7054, 0.4766, 0.3829

Protanopia

16.7763, 0.3893, 0.4233

Deuteranopia

16.8758, 0.4287, 0.4220



Tritanopia

16.6104, 0.4254, 0.3186

Trichromacy



Original Color

16.7054, 0.4766, 0.3829

Protanomaly

16.4386, 0.4213, 0.4087

Deuteranomaly

16.6702, 0.4459, 0.4075

Tritanomaly

16.6037, 0.4450, 0.3431

Monochromacy



Original Color

16.7054, 0.4766, 0.3829

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.9863, 0.3695, 0.3559

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7054, 0.4766, 0.3829 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(167, 95, 58)` looks like.

```
.text, #text, p{  
    color:rgb(167, 95, 58)  
}
```

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(167, 95, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 95, 58) }
```

Border

The CSS property to change the border of an element to Yxy 16.7054, 0.4766, 0.3829 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(167, 95, 58) }
```

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

```
.border{ border-color:rgb(167, 95, 58) }
```

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

Here you see how a box with a 4 pixel rgb(167, 95, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 95, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 95, 58);  
box-shadow:4px 4px 4px 4px rgb(167, 95,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7054, 0.4766, 0.3829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 95, 58) }
```

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

```
.background{ background-color: rgb(167, 95,  
58) }
```

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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