

Converting Colors

$Y_{xy}(17.8511, 0.4965, 0.3777)$

Have a look what the booklet for
Yxy(17.8511, 0.4965, 0.3777)
contains.

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Color

Yxy(17.8175, 0.4967, 0.3774)

Conversions

Conversions Part 1

Format	Color
Hex	B45D38
RGB	180, 93, 56
RGB Percent	71%, 36%, 22%
CMY	0.2941, 0.6353, 0.7804
CMYK	0.00, 0.48, 0.69, 0.29
HSL	18°, 53%, 46%
HSV	18°, 69%, 71%
XYZ	23.4498, 17.8175, 5.9439
YIQ	114.7950, 63.7290, 6.9370

Conversions

Conversions Part 2

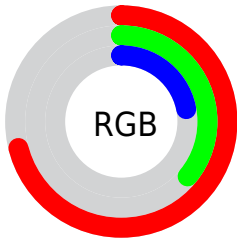
Format	Color
R _Y B	180, 109, 56
Decimal	11820344
CIE Lab	49.27, 32.24, 36.67
CIE LCh	49, 48.830, 48.678
Yxy	17.8175, 0.4967, 0.3774
Android (android.graphics.Color)	4290010424 (0xFFB45D38)
YUV	114.7950, -28.9859, 57.1848
Hunter-Lab	42.2108, 25.2951, 21.1987

Details

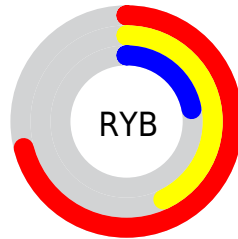
The Yxy color **17.8175, 0.4967, 0.3774** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **23.7757, 0.2183, 0.2636**, and the grayscale version is **17.1547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7755, 0.4557, 0.3733**, and **5.9609, 0.5646, 0.3747** is the 20% darker color. If you saturate the color by 10%, you get **15.6361, 0.5331, 0.3778**, and if you desaturate by 10%, it is **20.4302, 0.4602, 0.3735**.

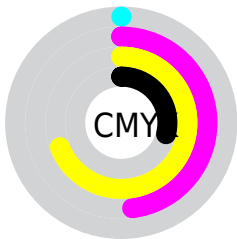
Distribution



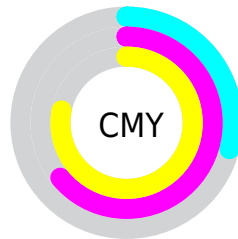
- Red (71%)
- Green (36%)
- Blue (22%)



- Red (71%)
- Yellow (43%)
- Blue (22%)



- Cyan (0%)
- Magenta (48%)
- Yellow (69%)
- Black (29%)





- Cyan (29%)
- Magenta (64%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8175, 0.4967, 0.3774 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 17.8175, 0.4967, 0.3774 by changing the saturation by 10% instead.


 17.8175, 0.4967,
0.3774


 17.8175, 0.4967,
0.3774


239.8404, 0.3917,
0.3579

 10.8190, 0.5260,
0.3782


 39.7261, 0.4558,
0.3726


 5.9453, 0.5640,
0.3751

 55.4050, 0.4412,
0.3700


 2.8118, 0.6286,
0.3714

 74.7463, 0.4292,
0.3675

 1.0343, 0.6741,
0.3259

 98.1341, 0.4192,
0.3652

 0.0000, 1.0000,
0.0000

 125.9531, 0.4107,
0.3631

 0.0000, 0.0000,
0.0000

 158.5875, 0.4034,

0.3612

196.4218, 0.3972,
0.3594

■ 17.8175, 0.4967,
0.3774

■ 17.8175, 0.4967,
0.3774

■ 15.6361, 0.5331,
0.3778

■ 20.4302, 0.4602,
0.3735

■ 13.8579, 0.5662,
0.3737

■ 23.4941, 0.4261,
0.3672

■ 12.4517, 0.5933,
0.3657

■ 27.0313, 0.3956,
0.3596

■ 12.3157, 0.5962,
0.3648

■ 31.0614, 0.3691,
0.3515

■ 35.6029, 0.3464,
0.3433

■ 40.6733, 0.3272,
0.3355

■ 46.2893, 0.3111,
0.3282

■ 52.4667, 0.2974,
0.3215

■ 59.2209, 0.2859,
0.3153

Harmonies

Analogous

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



17.8175, 0.4696, 0.3129



17.8175, 0.4967, 0.3774



17.8175, 0.4655, 0.4430

Triad

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



17.8175, 0.4967, 0.3774



17.8175, 0.2285, 0.4207



17.8175, 0.2159, 0.1932

Complementary

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



17.8175, 0.4967, 0.3774



23.7757, 0.2183, 0.2636

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.



17.8175, 0.1710, 0.1996



17.8175, 0.4967, 0.3774



17.8175, 0.1753, 0.3161

Square

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



17.8175, 0.4967, 0.3774



17.8175, 0.3094, 0.4949



17.8175, 0.1572, 0.2382



17.8175, 0.2926, 0.2132

Rectangle

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



17.8175, 0.4967, 0.3774



17.8175, 0.4219, 0.4806



17.8175, 0.1572, 0.2382



17.8175, 0.1974, 0.1922

Sweetspot

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



17.8185, 0.4967, 0.3774



62.4378, 0.3517, 0.3453



14.5708, 0.3719, 0.2139



13.0061, 0.3577, 0.3475



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



17.8185, 0.4967, 0.3774



26.4825, 0.5521, 0.3761



32.8130, 0.4286, 0.4545



8.9051, 0.3280, 0.3359



8.7005, 0.5940, 0.3665



0.3783, 0.5384, 0.4107

Inverse Universe

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



23.7757, 0.2183, 0.2636



37.6627, 0.2054, 0.2462



10.3013, 0.1912, 0.1521



9.1947, 0.2986, 0.3220



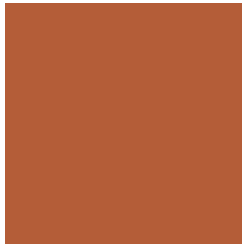
12.8845, 0.1973, 0.2302



0.5014, 0.2058, 0.2610

Previews

White Background



This preview shows how the Yxy color 17.8175, 0.4967, 0.3774 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 17.8175, 0.4967, 0.3774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

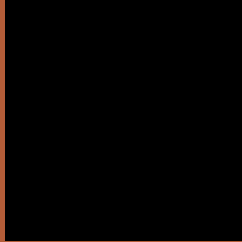
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8175, 0.4967, 0.3774

Background



This preview shows how black text looks on a background with the Yxy color 17.8175, 0.4967, 0.3774.



This preview shows how white text looks on a background with the Yxy color 17.8175, 0.4967, 0.3774.

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

17.8175, 0.4967, 0.3774

Protanopia

17.9942, 0.3927, 0.4294

Deuteranopia

17.9473, 0.4353, 0.4277



Tritanopia

17.7508, 0.4474, 0.3196

Trichromacy



Original Color

17.8175, 0.4967, 0.3774

Protanomaly

17.5701, 0.4315, 0.4093

Deuteranomaly

17.6293, 0.4587, 0.4085

Tritanomaly

17.7302, 0.4666, 0.3419

Monochromacy



Original Color

17.8175, 0.4967, 0.3774

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.8125, 0.3764, 0.3530

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8175, 0.4967, 0.3774 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(180, 93, 56)` looks like.

```
.text, #text, p{  
    color:rgb(180, 93, 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(180, 93, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 93, 56) }
```

Border

The CSS property to change the border of an element to Yxy 17.8175, 0.4967, 0.3774 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(180, 93, 56) }
```

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

```
.border{ border-color:rgb(180, 93, 56) }
```

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

Here you see how a box with a 4 pixel rgb(180, 93, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 93, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 93, 56);  
box-shadow:4px 4px 4px 4px rgb(180, 93,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8175, 0.4967, 0.3774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 93, 56) }
```

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

```
.background{ background-color: rgb(180, 93,  
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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