

Converting Colors

$Y_{xy}(16.6540, 0.4990, 0.3718)$

Have a look what the booklet for
Yxy(16.6540, 0.4990, 0.3718)
contains.

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Color

Yxy(16.6121, 0.4995, 0.3715)

Conversions

Conversions Part 1

Format	Color
Hex	B15838
RGB	177, 88, 56
RGB Percent	69%, 35%, 22%
CMY	0.3059, 0.6549, 0.7805
CMYK	0.00, 0.50, 0.68, 0.31
HSL	16°, 52%, 46%
HSV	16°, 68%, 69%
XYZ	22.3358, 16.6121, 5.7684
YIQ	110.9630, 63.3160, 8.9160

Conversions

Conversions Part 2

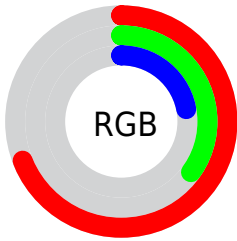
Format	Color
R _Y B	177, 100, 56
Decimal	11622456
CIE Lab	47.77, 33.69, 34.83
CIE LCh	48, 48.456, 45.953
Yxy	16.6121, 0.4995, 0.3715
Android (android.graphics.Color)	4289812536 (0xFFB15838)
YUV	110.9630, -27.0968, 57.9144
Hunter-Lab	40.7579, 26.4935, 20.1394

Details

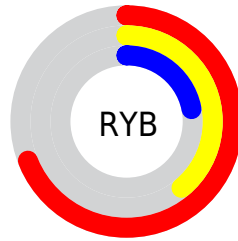
The Yxy color **16.6121, 0.4995, 0.3715** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **24.2619, 0.2208, 0.2720**, and the grayscale version is **15.9515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7602, 0.4567, 0.3685**, and **5.3971, 0.5707, 0.3670** is the 20% darker color. If you saturate the color by 10%, you get **14.5197, 0.5375, 0.3716**, and if you desaturate by 10%, it is **19.1492, 0.4617, 0.3681**.

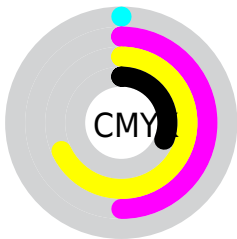
Distribution



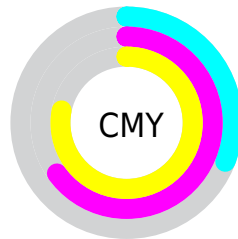
- Red (69%)
- Green (35%)
- Blue (22%)



- Red (69%)
- Yellow (39%)
- Blue (22%)



- Cyan (0%)
- Magenta (50%)
- Yellow (68%)
- Black (31%)





- Cyan (31%)
- Magenta (65%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6121, 0.4995, 0.3715 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 16.6121, 0.4995, 0.3715 by changing the saturation by 10% instead.


 16.6121, 0.4995,
0.3715


 16.6121, 0.4995,
0.3715


232.9270, 0.3916,
0.3550


 9.9583, 0.5303,
0.3713


 37.6576, 0.4570,
0.3679


 5.3713, 0.5708,
0.3669

 52.8182, 0.4420,
0.3657


 2.4667, 0.6396,
0.3604

 71.5831, 0.4297,
0.3636

 0.8599, 0.6905,
0.3095

 94.3367, 0.4194,
0.3616

 0.0000, 1.0000,
0.0000

 121.4636, 0.4108,
0.3597

 0.0000, 0.0000,
0.0000

 153.3480, 0.4035,

0.3580

190.3743, 0.3971,
0.3565

■ 16.6121, 0.4995,
0.3715

■ 16.6121, 0.4995,
0.3715

■ 14.5197, 0.5375,
0.3716

■ 19.1492, 0.4617,
0.3681

■ 12.8421, 0.5720,
0.3675

■ 22.1529, 0.4265,
0.3626

■ 11.5465, 0.5997,
0.3598

■ 25.6468, 0.3953,
0.3558

■ 11.3673, 0.6040,
0.3586

■ 29.6520, 0.3684,
0.3486

■ 34.1884, 0.3456,
0.3414

■ 39.2749, 0.3264,
0.3344

■ 44.9292, 0.3103,
0.3280

■ 51.1683, 0.2968,
0.3220

■ 58.0087, 0.2854,
0.3166

Harmonies

Analogous

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



16.6121, 0.4664, 0.3068



16.6121, 0.4995, 0.3715



16.6121, 0.4723, 0.4382

Triad

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



16.6121, 0.4995, 0.3715



16.6121, 0.2337, 0.4316



16.6121, 0.2091, 0.1909

Complementary

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



16.6121, 0.4995, 0.3715



24.2619, 0.2208, 0.2720

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.



16.6121, 0.1667, 0.1999



16.6121, 0.4995, 0.3715



16.6121, 0.1768, 0.3248

Square

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



16.6121, 0.4995, 0.3715



16.6121, 0.3171, 0.5009



16.6121, 0.1555, 0.2422



16.6121, 0.2840, 0.2089

Rectangle

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



16.6121, 0.4995, 0.3715



16.6121, 0.4298, 0.4780



16.6121, 0.1555, 0.2422



16.6121, 0.1914, 0.1907

Sweetspot

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



16.6130, 0.4995, 0.3715



58.6975, 0.3520, 0.3435



14.2734, 0.3645, 0.2099



12.2445, 0.3580, 0.3454



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



16.6130, 0.4995, 0.3715



24.4017, 0.5555, 0.3701



30.4231, 0.4317, 0.4492



8.8588, 0.3281, 0.3351



8.3223, 0.6021, 0.3602



0.3595, 0.5468, 0.4040

Inverse Universe

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



24.2619, 0.2208, 0.2720



38.6891, 0.2088, 0.2572



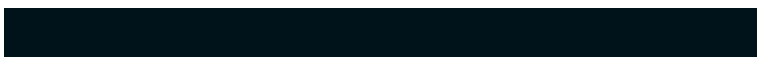
10.7087, 0.1939, 0.1608



9.2435, 0.2986, 0.3228



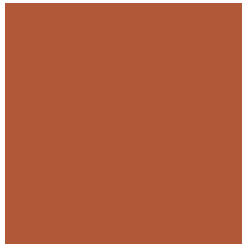
14.0037, 0.2006, 0.2421



0.5298, 0.2081, 0.2692

Previews

White Background



This preview shows how the Yxy color 16.6121, 0.4995, 0.3715 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 16.6121, 0.4995, 0.3715 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 16.6121, 0.4995, 0.3715

Background



This preview shows how black text looks on a background with the Yxy color 16.6121, 0.4995, 0.3715.



This preview shows how white text looks on a background with the Yxy color 16.6121, 0.4995, 0.3715.

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

16.6121, 0.4995, 0.3715

Protanopia

16.7763, 0.3893, 0.4233

Deuteranopia

16.6269, 0.4343, 0.4261



Tritanopia

16.6625, 0.4547, 0.3210

Trichromacy



Original Color

16.6121, 0.4995, 0.3715

Protanomaly

16.3802, 0.4291, 0.4034

Deuteranomaly

16.4344, 0.4585, 0.4046

Tritanomaly

16.5120, 0.4721, 0.3392

Monochromacy



Original Color

16.6121, 0.4995, 0.3715

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.6067, 0.3771, 0.3518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6121, 0.4995, 0.3715 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(177, 88, 56)` looks like.

```
.text, #text, p{  
    color:rgb(177, 88, 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(177, 88, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 88, 56) }
```

Border

The CSS property to change the border of an element to Yxy 16.6121, 0.4995, 0.3715 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(177, 88, 56) }
```

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

```
.border{ border-color:rgb(177, 88, 56) }
```

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

Here you see how a box with a 4 pixel rgb(177, 88, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 88, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 88, 56);  
box-shadow:4px 4px 4px 4px rgb(177, 88,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6121, 0.4995, 0.3715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 88, 56) }
```

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

```
.background{ background-color: rgb(177, 88,  
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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