

Converting Colors

$Y_{xy}(15.7576, 0.5501, 0.3960)$

Have a look what the booklet for
Yxy(15.7576, 0.5501, 0.3960)
contains.

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Color

Yxy(15.7576, 0.5501, 0.3960)

Conversions

Conversions Part 1

Format	Color
Hex	B45209
RGB	180, 82, 9
RGB Percent	71%, 32%, 4%
CMY	0.2941, 0.6784, 0.9649
CMYK	0.00, 0.54, 0.95, 0.29
HSL	26°, 91%, 37%
HSV	26°, 95%, 71%
XYZ	21.8895, 15.7576, 2.1448
YIQ	102.9800, 81.8410, -1.9270

Conversions

Conversions Part 2

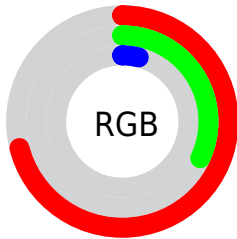
Format	Color
R _Y B	180, 136, 9
Decimal	11817481
CIE Lab	46.65, 36.42, 54.01
CIE LCh	47, 65.142, 56.011
Yxy	15.7576, 0.5501, 0.3960
Android (android.graphics.Color)	4290007561 (0xFFB45209)
YUV	102.9800, -46.3321, 67.5465
Hunter-Lab	39.6958, 28.9628, 24.5836

Details

The Yxy color **15.7576, 0.5501, 0.3960** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **13.8588, 0.1874, 0.1909**, and the grayscale version is **13.6659, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0225, 0.5029, 0.3944**, and **5.0261, 0.5977, 0.3636** is the 20% darker color. If you saturate the color by 10%, you get **14.9939, 0.5616, 0.3923**, and if you desaturate by 10%, it is **17.4919, 0.5250, 0.4015**.

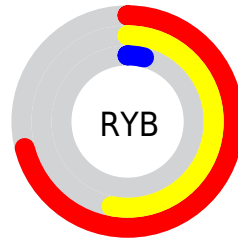
Distribution



Red (71%)

Green (32%)

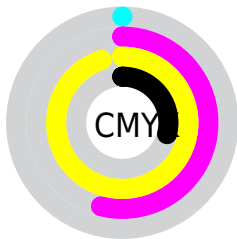
Blue (4%)



Red (71%)

Yellow (53%)

Blue (4%)

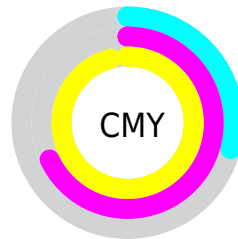


Cyan (0%)

Magenta (54%)

Yellow (95%)

Black (29%)



Cyan (29%)


Magenta (68%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7576, 0.5501, 0.3960 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 15.7576, 0.5501, 0.3960 by changing the saturation by 10% instead.


 15.7576, 0.5501,
0.3960


 15.7576, 0.5501,
0.3960


227.9071, 0.4194,
0.3754


 9.3528, 0.5816,
0.3915


 36.1769, 0.5024,
0.3947


 4.9720, 0.6204,
0.3796

 50.9601, 0.4842,
0.3921

 2.2308, 0.6546,
0.3454

 69.3050, 0.4688,
0.3891

 0.7367, 0.7132,
0.2868

 91.5958, 0.4558,
0.3860

 0.0000, 1.0000,
0.0000


 118.2171, 0.4447,
0.3831

 0.0000, 0.0000,
0.0000


 149.5531, 0.4351,

0.3804


 185.9883, 0.4267,
0.3778


 15.7576, 0.5501,
0.3960


 15.7576, 0.5501,
0.3960

 14.9939, 0.5616,
0.3923

 17.4919, 0.5250,
0.4015

 19.5198, 0.4960,
0.4016

 21.8595, 0.4654,
0.3971

 24.5265, 0.4352,
0.3892

 27.5348, 0.4067,
0.3791

■ 30.8976, 0.3809,
0.3679

■ 34.6271, 0.3580,
0.3564

■ 38.7350, 0.3379,
0.3450

■ 43.2323, 0.3205,
0.3342

Harmonies

Analogous

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



15.7576, 0.5443, 0.3179



15.7576, 0.5501, 0.3960



15.7576, 0.4831, 0.4836

Triad

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



15.7576, 0.5501, 0.3960



15.7576, 0.1753, 0.4213



15.7576, 0.2047, 0.1593

Complementary

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



15.7576, 0.5501, 0.3960



13.8588, 0.1874, 0.1909

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.



15.7576, 0.1417, 0.1568



15.7576, 0.5501, 0.3960



15.7576, 0.1248, 0.2734

Square

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



15.7576, 0.5501, 0.3960



15.7576, 0.2698, 0.5544



15.7576, 0.1163, 0.1890



15.7576, 0.3131, 0.1906

Rectangle

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



15.7576, 0.5501, 0.3960



15.7576, 0.4170, 0.5394



15.7576, 0.1163, 0.1890



15.7576, 0.1789, 0.1552

Sweetspot

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



15.7585, 0.5501, 0.3960



59.6774, 0.3678, 0.3615



10.9965, 0.4510, 0.2289



12.2940, 0.3777, 0.3664



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.



15.7585, 0.5501, 0.3960



26.7451, 0.5644, 0.3900



36.9048, 0.4326, 0.4918



9.0821, 0.3277, 0.3388



10.5923, 0.5596, 0.3939



0.4499, 0.5111, 0.4324

Inverse Universe

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



13.8588, 0.1874, 0.1909



23.1386, 0.1835, 0.1805



3.9743, 0.1543, 0.0708



9.0114, 0.2985, 0.3190



9.2234, 0.1847, 0.1850



0.4031, 0.1971, 0.2294

Previews

White Background



This preview shows how the Yxy color 15.7576, 0.5501, 0.3960 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 15.7576, 0.5501, 0.3960 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 15.7576, 0.5501, 0.3960

Background



This preview shows how black text looks on a background with the Yxy color 15.7576, 0.5501, 0.3960.



This preview shows how white text looks on a background with the Yxy color 15.7576, 0.5501, 0.3960.

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

15.7576, 0.5501, 0.3960

Protanopia

15.9953, 0.4314, 0.4802

Deuteranopia

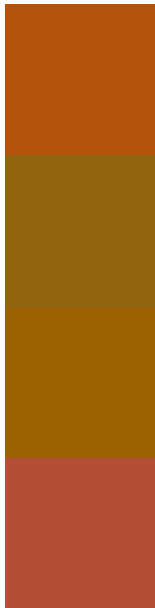
15.9708, 0.4699, 0.4651



Tritanopia

15.7080, 0.4801, 0.3228

Trichromacy



Original Color

15.7576, 0.5501, 0.3960

Protanomaly

15.3616, 0.4782, 0.4475

Deuteranomaly

15.5245, 0.5020, 0.4376

Tritanomaly

15.5484, 0.5172, 0.3578

Monochromacy



Original Color

15.7576, 0.5501, 0.3960

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.4394, 0.4101, 0.3794

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7576, 0.5501, 0.3960 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, 82, 9)` looks like.

```
.text, #text, p{  
    color:rgb(180, 82, 9)  
}
```

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, 82, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 82, 9) }
```

Border

The CSS property to change the border of an element to Yxy 15.7576, 0.5501, 0.3960 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, 82, 9) }
```

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

```
.border{ border-color:rgb(180, 82, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 82, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 82, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 82, 9);  
box-shadow:4px 4px 4px 4px rgb(180, 82, 9)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.7576, 0.5501, 0.3960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 82, 9) }
```

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

```
.background{ background-color: rgb(180, 82,  
9) }
```

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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