

Converting Colors

$Y_{xy}(51.9678, 0.4513, 0.4757)$

Have a look what the booklet for
Yxy(51.9678, 0.4513, 0.4757)
contains.

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Color

Yxy(52.1757, 0.4511, 0.4760)

Conversions

Conversions Part 1

Format	Color
Hex	E2BC11
RGB	226, 188, 17
RGB Percent	89%, 74%, 7%
CMY	0.1138, 0.2627, 0.9337
CMYK	0.00, 0.17, 0.93, 0.11
HSL	49°, 86%, 48%
HSV	49°, 93%, 89%
XYZ	49.4463, 52.1757, 7.9908
YIQ	179.8680, 77.5390, -45.1250

Conversions

Conversions Part 2

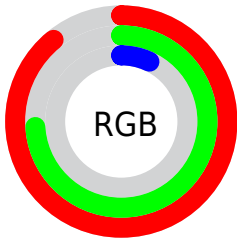
Format	Color
RYB	63, 226, 17
Decimal	14859281
CIELab	77.39, -0.39, 77.28
CIElCh	77, 77.276, 90.291
Yxy	52.1757, 0.4511, 0.4760
Android (android.graphics.Color)	4293049361 (0xFFE2BC11)
YUV	179.8680, -80.2939, 40.4578
Hunter-Lab	72.2327, -4.2166, 44.0039

Details

The Yxy color **52.1757, 0.4511, 0.4760** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **8.3310, 0.1589, 0.0864**, and the grayscale version is **45.9711, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6659, 0.4095, 0.4710**, and **25.4349, 0.4563, 0.4759** is the 20% darker color. If you saturate the color by 10%, you get **50.8395, 0.4560, 0.4761**, and if you desaturate by 10%, it is **54.0672, 0.4424, 0.4726**.

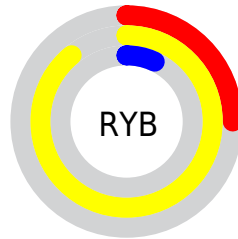
Distribution



Red (89%)

Green (74%)

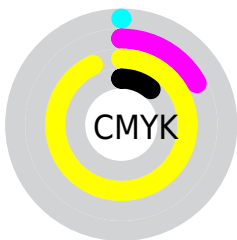
Blue (7%)



Red (25%)

Yellow (89%)

Blue (7%)

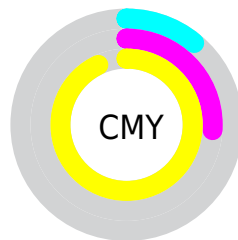


Cyan (0%)

Magenta (17%)

Yellow (93%)

Black (11%)



Cyan (11%)


Magenta (26%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.1757, 0.4511, 0.4760 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 52.1757, 0.4511, 0.4760 by changing the saturation by 10% instead.


 52.1757, 0.4511,
0.4760


 52.1757, 0.4511,
0.4760


395.1145, 0.3924,
0.4134


 37.1451, 0.4610,
0.4866


 93.3903, 0.4332,
0.4568


 25.3199, 0.4708,
0.4972


 120.3431, 0.4254,
0.4485


 16.3155, 0.4815,
0.5088


 152.0389, 0.4184,
0.4411

 9.7477, 0.4860,
0.5140

 188.8619, 0.4120,
0.4343

 5.2320, 0.4857,
0.5143

 231.1965, 0.4064,
0.4283

 2.3840, 0.4853,
0.5147

 279.4273, 0.4012,

 0.8177, 0.4842,

0.4228

0.5158

333.9385, 0.3966,
0.4179

■ 0.0000, 0.0000,
0.0000

■ 52.1757, 0.4511,
0.4760

■ 52.1757, 0.4511,
0.4760

■ 50.8395, 0.4560,
0.4761

■ 54.0672, 0.4424,
0.4726

■ 56.0960, 0.4307,
0.4645

■ 58.2785, 0.4166,
0.4520

■ 60.6267, 0.4006,
0.4358

■ 63.1508, 0.3835,
0.4170

■ 65.8600, 0.3660,
0.3966

■ 68.7627, 0.3487,
0.3755

■ 71.8667, 0.3321,
0.3544

■ 75.1793, 0.3165,
0.3340

Harmonies

Analogous

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



52.1757, 0.5066, 0.4058



52.1757, 0.4511, 0.4760



52.1757, 0.3649, 0.5211

Triad

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



52.1757, 0.4511, 0.4760



52.1757, 0.1517, 0.2749



52.1757, 0.3300, 0.2186

Complementary

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



52.1757, 0.4511, 0.4760



8.3310, 0.1589, 0.0864

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.



52.1757, 0.2351, 0.1874



52.1757, 0.4511, 0.4760



52.1757, 0.1467, 0.2083

Square

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



52.1757, 0.4511, 0.4760



52.1757, 0.1930, 0.3849



52.1757, 0.1739, 0.1824



52.1757, 0.4362, 0.2710

Rectangle

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



52.1757, 0.4511, 0.4760



52.1757, 0.3016, 0.5124



52.1757, 0.1739, 0.1824



52.1757, 0.2953, 0.2055

Sweetspot

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



52.1782, 0.4511, 0.4760



88.2255, 0.3584, 0.3875



16.8438, 0.5941, 0.3102



18.5358, 0.3660, 0.3966



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



52.1782, 0.4511, 0.4760



66.7017, 0.4563, 0.4759



61.8803, 0.3665, 0.5433



15.5839, 0.3272, 0.3480



29.1665, 0.4554, 0.4766



2.1334, 0.4488, 0.4818

Inverse Universe

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



8.3310, 0.1589, 0.0864



9.1995, 0.1540, 0.0744



7.7330, 0.1791, 0.0791



13.6440, 0.2981, 0.3092



4.1637, 0.1548, 0.0772



0.4082, 0.1621, 0.1037

Previews

White Background



This preview shows how the Yxy color 52.1757, 0.4511, 0.4760 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 52.1757, 0.4511, 0.4760 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 ✓ Pass

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

Yxy 52.1757, 0.4511, 0.4760

Background



This preview shows how black text looks on a background with the Yxy color 52.1757, 0.4511, 0.4760.



This preview shows how white text looks on a background with the Yxy color 52.1757, 0.4511, 0.4760.

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

52.1757, 0.4511, 0.4760

Protanopia

52.3452, 0.4384, 0.4853

Deuteranopia

51.9952, 0.4699, 0.4583



Tritanopia

52.1237, 0.3562, 0.3147

Trichromacy



Original Color

52.1757, 0.4511, 0.4760

Protanomaly

52.5209, 0.4429, 0.4821

Deuteranomaly

52.1718, 0.4626, 0.4652

Tritanomaly

51.3047, 0.4058, 0.3902

Monochromacy



Original Color

52.1757, 0.4511, 0.4760

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

47.1178, 0.3761, 0.4082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.1757, 0.4511, 0.4760 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(226, 188, 17)` looks like.

```
.text, #text, p{  
    color:rgb(226, 188, 17)  
}
```

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(226, 188, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 188, 17) }
```

Border

The CSS property to change the border of an element to Yxy 52.1757, 0.4511, 0.4760 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(226, 188, 17) }
```

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

```
.border{ border-color:rgb(226, 188, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 188, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 188, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 188, 17);  
box-shadow:4px 4px 4px 4px rgb(226, 188,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 52.1757, 0.4511, 0.4760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 188, 17) }
```

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

```
.background{ background-color: rgb(226,  
188, 17) }
```

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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