

Converting Colors

$Y_{xy}(52.9930, 0.4562, 0.4701)$

Have a look what the booklet for
Yxy(52.9930, 0.4562, 0.4701)
contains.

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Color

Yxy(52.7583, 0.4561, 0.4700)

Conversions

Conversions Part 1

Format	Color
Hex	E8BB17
RGB	232, 187, 23
RGB Percent	91%, 73%, 9%
CMY	0.0903, 0.2666, 0.9098
CMYK	0.00, 0.19, 0.90, 0.09
HSL	47°, 82%, 50%
HSV	47°, 90%, 91%
XYZ	51.1980, 52.7583, 8.2954
YIQ	181.7590, 79.4640, -41.4640

Conversions

Conversions Part 2

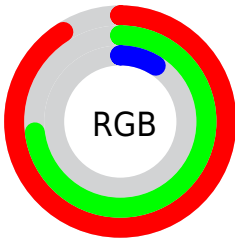
Format	Color
R _Y B	80, 232, 23
Decimal	15252247
CIE Lab	77.73, 2.81, 76.82
CIE LCh	78, 76.873, 87.907
Yxy	52.7583, 0.4561, 0.4700
Android (android.graphics.Color)	4293442327 (0xFFE8BB17)
YUV	181.7590, -78.2682, 44.0614
Hunter-Lab	72.6349, -1.2922, 44.0731

Details

The Yxy color **52.7583, 0.4561, 0.4700** 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 **10.1375, 0.1625, 0.0970**, and the grayscale version is **47.0439, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0994, 0.4093, 0.4690**, and **25.7081, 0.4633, 0.4704** is the 20% darker color. If you saturate the color by 10%, you get **50.6344, 0.4640, 0.4698**, and if you desaturate by 10%, it is **55.0528, 0.4454, 0.4660**.

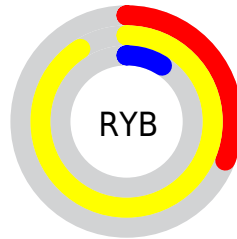
Distribution



Red (91%)

Green (73%)

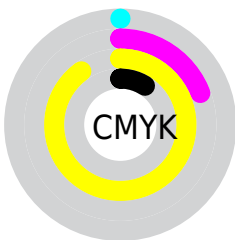
Blue (9%)



Red (31%)

Yellow (91%)

Blue (9%)

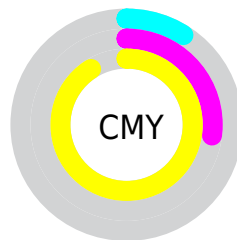


Cyan (0%)

Magenta (19%)

Yellow (90%)

Black (9%)



Cyan (9%)


Magenta (27%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.7583, 0.4561, 0.4700 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 52.7583, 0.4561, 0.4700 by changing the saturation by 10% instead.


 52.7583, 0.4561,
0.4700

 52.7583, 0.4561,
0.4700


397.3571, 0.3947,
0.4109


 37.6099, 0.4667,
0.4798


 94.2486, 0.4371,
0.4521


 25.6800, 0.4776,
0.4894


 121.3593, 0.4290,
0.4443


 16.5844, 0.4892,
0.4993


 153.2261, 0.4216,
0.4372

 9.9386, 0.4963,
0.5037

 190.2336, 0.4151,
0.4308

 5.3583, 0.4984,
0.5016

 232.7660, 0.4092,
0.4251

 2.4590, 0.5016,
0.4984

 281.2078, 0.4038,

 0.8560, 0.5077,

0.4199

335.9434, 0.3990,
0.4151

0.4923

0.0000, 0.0000,
0.0000

52.7583, 0.4561,
0.4700

52.7583, 0.4561,
0.4700

50.6344, 0.4640,
0.4698

55.0528, 0.4454,
0.4660

57.5179, 0.4319,
0.4573

60.1708, 0.4161,
0.4443

63.0238, 0.3987,
0.4279

66.0881, 0.3806,
0.4092

■ 69.3733, 0.3625,
0.3892

■ 72.8886, 0.3449,
0.3688

■ 76.6424, 0.3283,
0.3486

■ 80.6424, 0.3128,
0.3292

Harmonies

Analogous

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



52.7583, 0.5074, 0.3999



52.7583, 0.4561, 0.4700



52.7583, 0.3722, 0.5180

Triad

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



52.7583, 0.4561, 0.4700



52.7583, 0.1547, 0.2827



52.7583, 0.3215, 0.2160

Complementary

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



52.7583, 0.4561, 0.4700



10.1375, 0.1625, 0.0970

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.



52.7583, 0.2296, 0.1870



52.7583, 0.4561, 0.4700



52.7583, 0.1470, 0.2129

Square

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



52.7583, 0.4561, 0.4700



52.7583, 0.1989, 0.3940



52.7583, 0.1715, 0.1842



52.7583, 0.4274, 0.2667

Rectangle

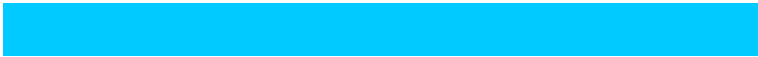
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.7583, 0.4561, 0.4700



52.7583, 0.3094, 0.5138



52.7583, 0.1715, 0.1842



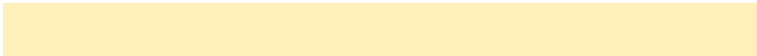
52.7583, 0.2877, 0.2036

Sweetspot

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



52.7609, 0.4561, 0.4700



87.2417, 0.3573, 0.3832



18.1857, 0.5770, 0.3030



18.3612, 0.3634, 0.3902



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.



52.7609, 0.4561, 0.4700



62.6315, 0.4643, 0.4696



66.6193, 0.3723, 0.5371



16.2632, 0.3273, 0.3473



28.3082, 0.4631, 0.4705



2.2232, 0.4555, 0.4765

Inverse Universe

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



10.1375, 0.1625, 0.0970



9.9395, 0.1555, 0.0796



8.2415, 0.1774, 0.0796



14.3873, 0.2980, 0.3100



4.6467, 0.1563, 0.0826



0.4777, 0.1636, 0.1090

Previews

White Background



This preview shows how the Yxy color 52.7583, 0.4561, 0.4700 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 52.7583, 0.4561, 0.4700 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 52.7583, 0.4561, 0.4700

Background



This preview shows how black text looks on a background with the Yxy color 52.7583, 0.4561, 0.4700.



This preview shows how white text looks on a background with the Yxy color 52.7583, 0.4561, 0.4700.

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

52.7583, 0.4561, 0.4700

Protanopia

52.9618, 0.4373, 0.4839

Deuteranopia

52.5944, 0.4691, 0.4577



Tritanopia

52.7372, 0.3626, 0.3149

Trichromacy



Original Color

52.7583, 0.4561, 0.4700

Protanomaly

52.8571, 0.4437, 0.4794

Deuteranomaly

52.7063, 0.4643, 0.4624

Tritanomaly

51.9496, 0.4109, 0.3867

Monochromacy



Original Color

52.7583, 0.4561, 0.4700

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

48.0156, 0.3760, 0.4049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.7583, 0.4561, 0.4700 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(232, 187, 23)` looks like.

```
.text, #text, p{  
    color:rgb(232, 187, 23)  
}
```

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(232, 187, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 187, 23) }
```

Border

The CSS property to change the border of an element to Yxy 52.7583, 0.4561, 0.4700 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(232, 187, 23) }
```

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

```
.border{ border-color:rgb(232, 187, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 187, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 187, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 187, 23);  
box-shadow:4px 4px 4px 4px rgb(232, 187,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 52.7583, 0.4561, 0.4700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 187, 23) }
```

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

```
.background{ background-color: rgb(232,  
187, 23) }
```

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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