

Converting Colors

$Yxy(56.6445, 0.4499, 0.4648)$

Have a look what the booklet for
Yxy(56.6445, 0.4499, 0.4648)
contains.

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Color

Yxy(56.4989, 0.4502, 0.4643)

Conversions

Conversions Part 1

Format	Color
Hex	EEC12C
RGB	238, 193, 44
RGB Percent	93%, 76%, 17%
CMY	0.0667, 0.2431, 0.8273
CMYK	0.00, 0.19, 0.81, 0.07
HSL	46°, 85%, 55%
HSV	46°, 81%, 93%
XYZ	54.7831, 56.4989, 10.4042
YIQ	189.4690, 74.6490, -36.7990

Conversions

Conversions Part 2

Format	Color
R _Y B	103, 238, 44
Decimal	15647020
CIE Lab	79.90, 2.76, 73.90
CIE LCh	80, 73.956, 87.862
Yxy	56.4989, 0.4502, 0.4643
Android (android.graphics.Color)	4293837100 (0xFFEEC12C)
YUV	189.4690, -71.7162, 42.5617
Hunter-Lab	75.1658, -1.4437, 44.4093

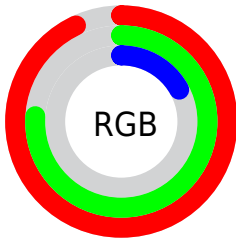
Details

The Yxy color **56.4989, 0.4502, 0.4643** is a light color, and the websafe version is hex **FFCC33**.

The color can be described as light washed yellow. A complement of this color would be **13.8575, 0.1722, 0.1190**, and the grayscale version is **51.5627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0108, 0.4001, 0.4640**, and **28.1033, 0.4617, 0.4716** is the 20% darker color. If you saturate the color by 10%, you get **53.9756, 0.4610, 0.4672**, and if you desaturate by 10%, it is **59.2213, 0.4364, 0.4565**.

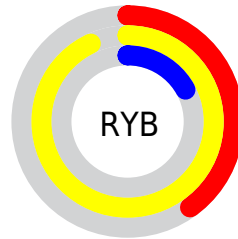
Distribution



Red (93%)

Green (76%)

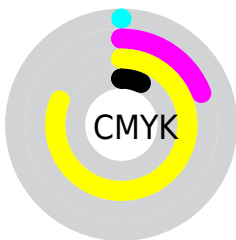
Blue (17%)



Red (40%)

Yellow (93%)

Blue (17%)

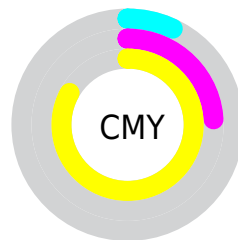


Cyan (0%)

Magenta (19%)

Yellow (81%)

Black (7%)



Cyan (7%)


Magenta (24%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.4989, 0.4502, 0.4643 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 56.4989, 0.4502, 0.4643 by changing the saturation by 10% instead.


 56.4989, 0.4502,
0.4643

 56.4989, 0.4502,
0.4643


411.5690, 0.3910,
0.4071


 40.6031, 0.4609,
0.4742


 99.7336, 0.4316,
0.4467

 28.0091, 0.4721,
0.4844


 127.8413, 0.4237,
0.4391

 18.3325, 0.4833,
0.4939


 160.7885, 0.4167,
0.4323

 11.1890, 0.4958,
0.5042

 198.9594, 0.4104,
0.4262

 6.1941, 0.4977,
0.5023

 242.7385, 0.4048,
0.4207

 2.9634, 0.5006,
0.4994

 292.5102, 0.3997,

 1.1127, 0.5056,

0.4157

0.4944

348.6589, 0.3951,
0.4112

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.4989, 0.4502,
0.4643

■ 56.4989, 0.4502,
0.4643

■ 53.9756, 0.4610,
0.4672

■ 59.2213, 0.4364,
0.4565


■ 51.9580, 0.4682,
0.4665


■ 62.1508, 0.4202,
0.4443

■ 65.3037, 0.4025,
0.4287

■ 68.6922, 0.3840,
0.4105

 72.3271, 0.3655,
0.3909

 76.2183, 0.3476,
0.3708

 80.3751, 0.3307,
0.3510

 84.8060, 0.3150,
0.3318

 89.3092, 0.3024,
0.3168

Harmonies

Analogous

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



56.4989, 0.4975, 0.3985



56.4989, 0.4502, 0.4643



56.4989, 0.3709, 0.5071

Triad

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



56.4989, 0.4502, 0.4643



56.4989, 0.1624, 0.2864



56.4989, 0.3213, 0.2214

Complementary

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



56.4989, 0.4502, 0.4643



13.8575, 0.1722, 0.1190

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.



56.4989, 0.2340, 0.1935



56.4989, 0.4502, 0.4643



56.4989, 0.1545, 0.2194

Square

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



56.4989, 0.4502, 0.4643



56.4989, 0.2055, 0.3904



56.4989, 0.1781, 0.1912



56.4989, 0.4206, 0.2702

Rectangle

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



56.4989, 0.4502, 0.4643



56.4989, 0.3111, 0.5016



56.4989, 0.1781, 0.1912



56.4989, 0.2893, 0.2095

Sweetspot

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



56.5017, 0.4502, 0.4643



87.9418, 0.3522, 0.3761



20.7063, 0.5410, 0.2950



18.4733, 0.3586, 0.3833



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.



56.5017, 0.4502, 0.4643



61.2223, 0.4668, 0.4666



71.7995, 0.3756, 0.5253



17.8012, 0.3274, 0.3470



29.1960, 0.4672, 0.4672



2.5779, 0.4596, 0.4733

Inverse Universe

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



13.8575, 0.1722, 0.1190



10.8145, 0.1574, 0.0856



10.4507, 0.1864, 0.0922



15.8236, 0.2980, 0.3103



5.1415, 0.1571, 0.0854



0.5746, 0.1637, 0.1094

Previews

White Background



This preview shows how the Yxy color 56.4989, 0.4502, 0.4643 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 56.4989, 0.4502, 0.4643 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 56.4989, 0.4502, 0.4643

Background



This preview shows how black text looks on a background with the Yxy color 56.4989, 0.4502, 0.4643.



This preview shows how white text looks on a background with the Yxy color 56.4989, 0.4502, 0.4643.

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

56.4989, 0.4502, 0.4643

Protanopia

56.7321, 0.4318, 0.4771

Deuteranopia

56.3114, 0.4627, 0.4527



Tritanopia

56.4940, 0.3602, 0.3142

Trichromacy



Original Color

56.4989, 0.4502, 0.4643

Protanomaly

56.6159, 0.4381, 0.4730

Deuteranomaly

56.4366, 0.4580, 0.4570

Tritanomaly

55.7951, 0.4030, 0.3791

Monochromacy



Original Color

56.4989, 0.4502, 0.4643

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

51.8699, 0.3703, 0.3953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4989, 0.4502, 0.4643 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(238, 193, 44)` looks like.

```
.text, #text, p{  
    color:rgb(238, 193, 44)  
}
```

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(238, 193, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 193, 44) }
```

Border

The CSS property to change the border of an element to Yxy 56.4989, 0.4502, 0.4643 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(238, 193, 44) }
```

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

```
.border{ border-color:rgb(238, 193, 44) }
```

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

Here you see how a box with a 4 pixel rgb(238, 193, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 193, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 193, 44);  
box-shadow:4px 4px 4px 4px rgb(238, 193,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4989, 0.4502, 0.4643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 193, 44) }
```

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

```
.background{ background-color: rgb(238,  
193, 44) }
```

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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