

Converting Colors

$Y_{xy}(57.8495, 0.4360, 0.4650)$

Have a look what the booklet for
Yxy(57.8495, 0.4360, 0.4650)
contains.

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Color

Yxy(57.8495, 0.4360, 0.4650)

Conversions

Conversions Part 1

Format	Color
Hex	E8C63A
RGB	232, 198, 58
RGB Percent	91%, 78%, 23%
CMY	0.0901, 0.2235, 0.7723
CMYK	0.00, 0.15, 0.75, 0.09
HSL	48°, 79%, 57%
HSV	48°, 75%, 91%
XYZ	54.2417, 57.8495, 12.3163
YIQ	192.2060, 65.2040, -36.3320

Conversions

Conversions Part 2

Format	Color
RYB	100, 232, 58
Decimal	15255098
CIELab	80.66, -1.88, 69.92
CIELCh	81, 69.947, 91.543
Yxy	57.8495, 0.4360, 0.4650
Android (android.graphics.Color)	4293445178 (0xFFE8C63A)
YUV	192.2060, -66.1636, 34.8993
Hunter-Lab	76.0589, -5.8050, 43.6403

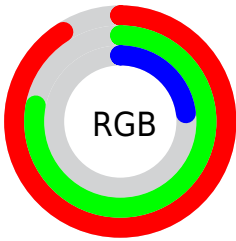
Details

The Yxy color **57.8495, 0.4360, 0.4650** is a light color, and the websafe version is hex **FFCC33**.

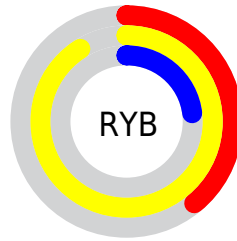
The color can be described as light washed yellow. A complement of this color would be **14.3945, 0.1789, 0.1278**, and the grayscale version is **53.2103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3814, 0.3926, 0.4596**, and **29.0215, 0.4498, 0.4810** is the 20% darker color. If you saturate the color by 10%, you get **55.6236, 0.4474, 0.4717**, and if you desaturate by 10%, it is **60.2495, 0.4219, 0.4537**.

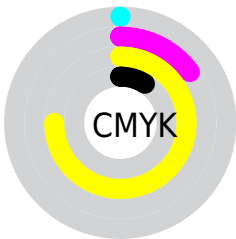
Distribution



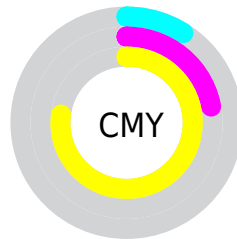
- Red (91%)
- Green (78%)
- Blue (23%)



- Red (39%)
- Yellow (91%)
- Blue (23%)



- Cyan (0%)
- Magenta (15%)
- Yellow (75%)
- Black (9%)




- Cyan (9%)
- Magenta (22%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.8495, 0.4360, 0.4650 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 57.8495, 0.4360, 0.4650 by changing the saturation by 10% instead.

 57.8495, 0.4360,
0.4650


 57.8495, 0.4360,
0.4650

416.6249, 0.3827,
0.4055


 41.6877, 0.4458,
0.4762

 101.7037, 0.4192,
0.4460

 28.8568, 0.4562,
0.4883


 130.1648, 0.4121,
0.4381

 18.9725, 0.4666,
0.5007


 163.4945, 0.4058,
0.4310

 11.6504, 0.4812,
0.5182

 202.0771, 0.4001,
0.4248

 6.5061, 0.4803,
0.5197

 246.2970, 0.3951,
0.4192

 3.1552, 0.4783,
0.5217

296.5387, 0.3905,

 1.2133, 0.4749,

0.4141

353.1866, 0.3864,
0.4096

0.5251

0.0725, 0.2403,
0.7597

0.0000, 0.0000,
0.0000

57.8495, 0.4360,
0.4650

57.8495, 0.4360,
0.4650

55.6236, 0.4474,
0.4717

60.2495, 0.4219,
0.4537

53.5473, 0.4559,
0.4737

62.8283, 0.4059,
0.4386

52.5498, 0.4593,
0.4735

65.6001, 0.3885,
0.4206

68.5753, 0.3708,
0.4007

■ 71.7629, 0.3532,
0.3799

■ 75.1715, 0.3362,
0.3591

■ 78.8092, 0.3202,
0.3388

■ 82.6833, 0.3054,
0.3194

■ 86.0129, 0.2987,
0.3127

Harmonies

Analogous

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



57.8495, 0.4846, 0.4047



57.8495, 0.4360, 0.4650



57.8495, 0.3589, 0.4975

Triad

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



57.8495, 0.4360, 0.4650



57.8495, 0.1674, 0.2799



57.8495, 0.3327, 0.2316

Complementary

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



57.8495, 0.4360, 0.4650



14.3945, 0.1789, 0.1278

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.



57.8495, 0.2472, 0.2021



57.8495, 0.4360, 0.4650



57.8495, 0.1632, 0.2206

Square

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



57.8495, 0.4360, 0.4650



57.8495, 0.2048, 0.3740



57.8495, 0.1897, 0.1969



57.8495, 0.4245, 0.2804

Rectangle

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



57.8495, 0.4360, 0.4650



57.8495, 0.3020, 0.4849



57.8495, 0.1897, 0.1969



57.8495, 0.3019, 0.2193

Sweetspot

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



57.8523, 0.4360, 0.4650



90.0983, 0.3482, 0.3740



20.9774, 0.5239, 0.2989



19.0440, 0.3529, 0.3797



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.



57.8523, 0.4360, 0.4650



67.4862, 0.4524, 0.4734



67.7112, 0.3705, 0.5183



16.3131, 0.3272, 0.3478



29.3484, 0.4586, 0.4741



2.2916, 0.4518, 0.4795

Inverse Universe

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



14.3945, 0.1789, 0.1278



11.8607, 0.1611, 0.0924



12.1889, 0.2008, 0.1086



14.3411, 0.2980, 0.3095



4.4309, 0.1554, 0.0793



0.4555, 0.1625, 0.1049

Previews

White Background



This preview shows how the Yxy color 57.8495, 0.4360, 0.4650 looks on a white background.

Color Contrast Check

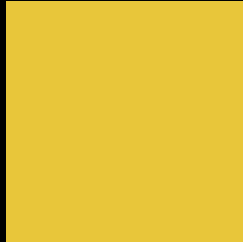
Large Text (above 18pt) WCAG AA × Fail

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 57.8495, 0.4360, 0.4650 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 57.8495, 0.4360, 0.4650

Background



This preview shows how black text looks on a background with the Yxy color 57.8495, 0.4360, 0.4650.



This preview shows how white text looks on a background with the Yxy color 57.8495, 0.4360, 0.4650.

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

57.8495, 0.4360, 0.4650

Protanopia

58.0966, 0.4273, 0.4708

Deuteranopia

57.6731, 0.4571, 0.4466



Tritanopia

57.6987, 0.3498, 0.3140

Trichromacy



Original Color

57.8495, 0.4360, 0.4650

Protanomaly

58.1183, 0.4306, 0.4683

Deuteranomaly

57.6993, 0.4493, 0.4533

Tritanomaly

57.1422, 0.3880, 0.3757

Monochromacy



Original Color

57.8495, 0.4360, 0.4650

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

53.8321, 0.3634, 0.3913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.8495, 0.4360, 0.4650 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, 198, 58)` looks like.

```
.text, #text, p{  
    color:rgb(232, 198, 58)  
}
```

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, 198, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 198, 58) }
```

Border

The CSS property to change the border of an element to Yxy 57.8495, 0.4360, 0.4650 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, 198, 58) }
```

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

```
.border{ border-color:rgb(232, 198, 58) }
```

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

Here you see how a box with a 4 pixel rgb(232, 198, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 198, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 198, 58);  
box-shadow:4px 4px 4px 4px rgb(232, 198,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 57.8495, 0.4360, 0.4650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 198, 58) }
```

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

```
.background{ background-color: rgb(232,  
198, 58) }
```

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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