

Converting Colors

Yxy(58.9840, 0.4453, 0.4846)

Have a look what the booklet for
Yxy(58.9840, 0.4453, 0.4846)
contains.

Yxy(58.9291, 0.4454, 0.4846)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(58.9291, 0.4454, 0.4846)

Conversions

Conversions Part 1

Format	Color
Hex	E8C900
RGB	232, 201, 0
RGB Percent	91%, 79%, 0%
CMY	0.0902, 0.2117, 1.0000
CMYK	0.00, 0.13, 1.00, 0.09
HSL	52°, 100%, 45%
HSV	52°, 100%, 91%
XYZ	54.1622, 58.9291, 8.5123
YIQ	187.3550, 82.9970, -55.9390

Conversions

Conversions Part 2

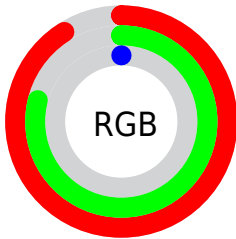
Format	Color
RYB	36, 232, 0
Decimal	15255808
CIELab	81.25, -4.66, 82.16
CIELCh	81, 82.291, 93.248
Yxy	58.9291, 0.4454, 0.4846
Android (android.graphics.Color)	4293445888 (0xFFE8C900)
YUV	187.3550, -92.3660, 39.1537
Hunter-Lab	76.7653, -8.3975, 47.1612

Details

The Yxy color **58.9291, 0.4454, 0.4846** is a dark color, and the websafe version is hex **FFCC00**. The color can be described as middle washed yellow. A complement of this color would be **6.8046, 0.1525, 0.0689**, and the grayscale version is **50.4043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4359, 0.4042, 0.4802**, and **29.8377, 0.4450, 0.4849** is the 20% darker color. If you saturate the color by 10%, you get **58.9325, 0.4454, 0.4846**, and if you desaturate by 10%, it is **60.4543, 0.4401, 0.4833**.

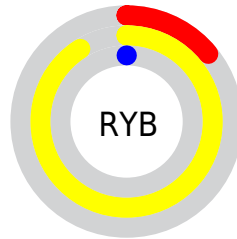
Distribution



Red (91%)

Green (79%)

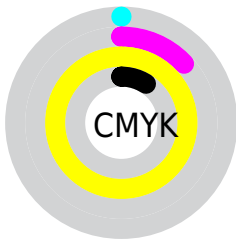
Blue (0%)



Red (14%)

Yellow (91%)

Blue (0%)

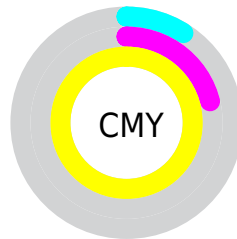


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (21%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.9291, 0.4454, 0.4846 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 58.9291, 0.4454, 0.4846 by changing the saturation by 10% instead.


 58.9291, 0.4454,
0.4846


 58.9291, 0.4454,
0.4846

420.6391, 0.3916,
0.4192

 42.5560, 0.4538,
0.4957


 103.2746, 0.4295,
0.4647


 29.5369, 0.4619,
0.5070


 132.0159, 0.4225,
0.4560


 19.4874, 0.4697,
0.5188


 165.6486, 0.4160,
0.4482

 12.0230, 0.4730,
0.5270

 204.5573, 0.4102,
0.4412

 6.7593, 0.4700,
0.5300

 249.1263, 0.4048,
0.4349

 3.3120, 0.4653,
0.5347

 299.7400, 0.4000,

 1.2967, 0.4570,

0.4291

0.5430

356.7828, 0.3956,
0.4239

■ 0.1387, 0.1148,
0.8852

■ 0.0000, 0.0000,
0.0000

■ 58.9291, 0.4454,
0.4846

■ 58.9291, 0.4454,
0.4846

■ 58.9325, 0.4454,
0.4846

■ 60.4543, 0.4401,
0.4833

■ 62.0805, 0.4323,
0.4780

■ 63.8352, 0.4217,
0.4682

■ 65.7323, 0.4086,
0.4541

■ 67.7839, 0.3936,
0.4365

■ 70.0001, 0.3774,
0.4164

■ 72.3904, 0.3607,
0.3948

■ 74.9634, 0.3440,
0.3725

■ 77.7268, 0.3279,
0.3504

Harmonies

Analogous

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



58.9291, 0.5067, 0.4135



58.9291, 0.4454, 0.4846



58.9291, 0.3558, 0.5267

Triad

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



58.9291, 0.4454, 0.4846



58.9291, 0.1468, 0.2645



58.9291, 0.3410, 0.2210

Complementary

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



58.9291, 0.4454, 0.4846



6.8046, 0.1525, 0.0689

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.



58.9291, 0.2416, 0.1870



58.9291, 0.4454, 0.4846



58.9291, 0.1452, 0.2016

Square

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



58.9291, 0.4454, 0.4846



58.9291, 0.1846, 0.3737



58.9291, 0.1759, 0.1791



58.9291, 0.4484, 0.2757

Rectangle

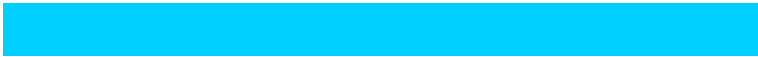
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.9291, 0.4454, 0.4846



58.9291, 0.2913, 0.5122



58.9291, 0.1759, 0.1791



58.9291, 0.3050, 0.2070

Sweetspot

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



58.9325, 0.4454, 0.4846



89.6687, 0.3609, 0.3951



17.2745, 0.6219, 0.3200



18.9186, 0.3680, 0.4044



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.



58.9325, 0.4454, 0.4846



72.9448, 0.4455, 0.4845



64.2678, 0.3583, 0.5537



16.4716, 0.3271, 0.3492



32.8548, 0.4449, 0.4850



2.5193, 0.4406, 0.4884

Inverse Universe

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



6.8046, 0.1525, 0.0689



8.3671, 0.1524, 0.0685



7.5837, 0.1755, 0.0741



14.1959, 0.2980, 0.3080



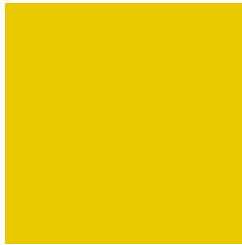
3.8811, 0.1530, 0.0706



0.3869, 0.1588, 0.0915

Previews

White Background



This preview shows how the Yxy color 58.9291, 0.4454, 0.4846 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 58.9291, 0.4454, 0.4846 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 58.9291, 0.4454, 0.4846

Background



This preview shows how black text looks on a background with the Yxy color 58.9291, 0.4454, 0.4846.

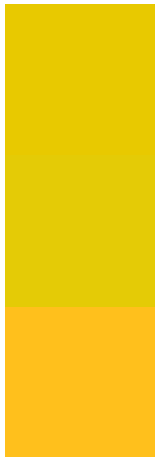


This preview shows how white text looks on a background with the Yxy color 58.9291, 0.4454, 0.4846.

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

58.9291, 0.4454, 0.4846

Protanopia

59.2190, 0.4398, 0.4878

Deuteranopia

59.0431, 0.4687, 0.4589



Tritanopia

58.8124, 0.3486, 0.3141

Trichromacy



Original Color

58.9291, 0.4454, 0.4846

Protanomaly

58.9078, 0.4417, 0.4867

Deuteranomaly

58.8480, 0.4613, 0.4681

Tritanomaly

57.6085, 0.4040, 0.3989

Monochromacy



Original Color

58.9291, 0.4454, 0.4846

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

51.7277, 0.3790, 0.4188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.9291, 0.4454, 0.4846 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, 201, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 201, 0)  
}
```

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, 201, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 201, 0) }
```

Border

The CSS property to change the border of an element to Yxy 58.9291, 0.4454, 0.4846 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, 201, 0) }
```

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

```
.border{ border-color:rgb(232, 201, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 201, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 201, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 201, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 201,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 58.9291, 0.4454, 0.4846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 201, 0) }
```

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

```
.background{ background-color: rgb(232,  
201, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor