

Converting Colors

$Yxy(58.6928, 0.4296, 0.4801)$

Have a look what the booklet for
Yxy(58.6928, 0.4296, 0.4801)
contains.

Yxy(58.7486, 0.4296, 0.4801)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(58.7486, 0.4296, 0.4801)

Conversions

Conversions Part 1

Format	Color
Hex	E0CB2D
RGB	224, 203, 45
RGB Percent	88%, 80%, 18%
CMY	0.1216, 0.2039, 0.8236
CMYK	0.00, 0.09, 0.80, 0.12
HSL	53°, 74%, 53%
HSV	53°, 80%, 88%
XYZ	52.5690, 58.7486, 11.0498
YIQ	191.2670, 63.2340, -44.6860

Conversions

Conversions Part 2

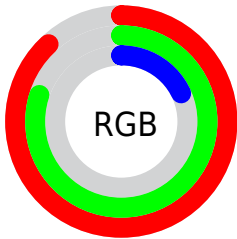
Format	Color
R _Y B	69, 224, 45
Decimal	14732077
CIE Lab	81.15, -8.34, 74.22
CIE LCh	81, 74.684, 96.411
Yxy	58.7486, 0.4296, 0.4801
Android (android.graphics.Color)	4292922157 (0xFFE0CB2D)
YUV	191.2670, -72.1096, 28.7068
Hunter-Lab	76.6476, -11.7085, 45.1059

Details

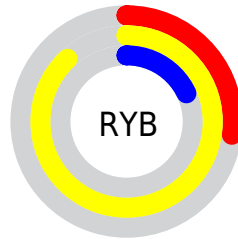
The Yxy color **58.7486, 0.4296, 0.4801** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light washed yellow. A complement of this color would be **9.8331, 0.1684, 0.1005**, and the grayscale version is **52.6636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7999, 0.3965, 0.4675**, and **29.3874, 0.4362, 0.4919** is the 20% darker color. If you saturate the color by 10%, you get **57.3922, 0.4369, 0.4857**, and if you desaturate by 10%, it is **60.2231, 0.4195, 0.4700**.

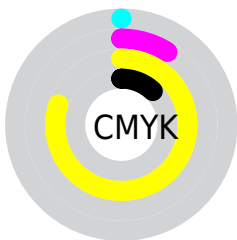
Distribution



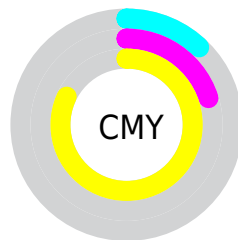
- Red (88%)
- Green (80%)
- Blue (18%)



- Red (27%)
- Yellow (88%)
- Blue (18%)



- Cyan (0%)
- Magenta (9%)
- Yellow (80%)
- Black (12%)




- Cyan (12%)
- Magenta (20%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.7486, 0.4296, 0.4801 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 58.7486, 0.4296, 0.4801 by changing the saturation by 10% instead.


 58.7486, 0.4296,
0.4801


 58.7486, 0.4296,
0.4801


419.9696, 0.3810,
0.4135

 42.4108, 0.4378,
0.4927


 103.0122, 0.4148,
0.4588


 29.4231, 0.4460,
0.5064


 131.7068, 0.4084,
0.4499

 19.4011, 0.4532,
0.5206


 165.2890, 0.4026,
0.4420

 11.9605, 0.4615,
0.5385

 204.1434, 0.3973,
0.4350

 6.7168, 0.4560,
0.5440

 248.6542, 0.3926,
0.4287

 3.2856, 0.4474,
0.5526

 299.2059, 0.3883,

 1.2826, 0.4323,

0.4231

0.5677

356.1829, 0.3845,
0.4181

■ 0.1277, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.7486, 0.4296,
0.4801

■ 58.7486, 0.4296,
0.4801

■ 57.3922, 0.4369,
0.4857

■ 60.2231, 0.4195,
0.4700


■ 56.1232, 0.4418,
0.4874

■ 61.8200, 0.4069,
0.4557


■ 56.1126, 0.4419,
0.4874

■ 63.5529, 0.3923,
0.4379

■ 65.4313, 0.3765,
0.4175

 67.4637, 0.3601,
0.3955

 69.6579, 0.3437,
0.3730

 72.0210, 0.3277,
0.3505

 74.5598, 0.3126,
0.3288

 77.2806, 0.2984,
0.3082

Harmonies

Analogous

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



58.7486, 0.4882, 0.4177



58.7486, 0.4296, 0.4801



58.7486, 0.3455, 0.5085

Triad

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



58.7486, 0.4296, 0.4801



58.7486, 0.1572, 0.2632



58.7486, 0.3498, 0.2337

Complementary

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



58.7486, 0.4296, 0.4801



9.8331, 0.1684, 0.1005

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.



58.7486, 0.2562, 0.1993



58.7486, 0.4296, 0.4801



58.7486, 0.1584, 0.2081

Square

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



58.7486, 0.4296, 0.4801



58.7486, 0.1898, 0.3585



58.7486, 0.1910, 0.1894



58.7486, 0.4450, 0.2870

Rectangle

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



58.7486, 0.4296, 0.4801



58.7486, 0.2859, 0.4873



58.7486, 0.1910, 0.1894



58.7486, 0.3165, 0.2198

Sweetspot

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



58.7514, 0.4296, 0.4801



92.1728, 0.3506, 0.3826



18.1505, 0.5619, 0.3114



19.5045, 0.3565, 0.3907



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.



58.7514, 0.4296, 0.4801



75.8367, 0.4403, 0.4870



60.8043, 0.3618, 0.5327



15.7407, 0.3270, 0.3495



32.7735, 0.4415, 0.4877



2.3504, 0.4376, 0.4908

Inverse Universe

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



9.8331, 0.1684, 0.1005



8.7305, 0.1537, 0.0710



10.6128, 0.2030, 0.1031



13.5008, 0.2981, 0.3076



3.6555, 0.1525, 0.0689



0.3405, 0.1581, 0.0890

Previews

White Background



This preview shows how the Yxy color 58.7486, 0.4296, 0.4801 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 58.7486, 0.4296, 0.4801 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 58.7486, 0.4296, 0.4801

Background



This preview shows how black text looks on a background with the Yxy color 58.7486, 0.4296, 0.4801.

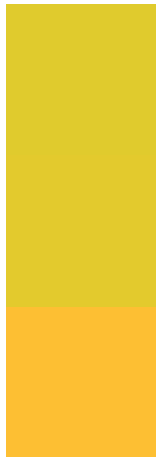


This preview shows how white text looks on a background with the Yxy color 58.7486, 0.4296, 0.4801.

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

58.7486, 0.4296, 0.4801

Protanopia

58.7614, 0.4329, 0.4775

Deuteranopia

58.3833, 0.4617, 0.4513



Tritanopia

58.5877, 0.3399, 0.3127

Trichromacy



Original Color

58.7486, 0.4296, 0.4801

Protanomaly

58.5993, 0.4321, 0.4781

Deuteranomaly

58.1292, 0.4501, 0.4615

Tritanomaly

57.8147, 0.3828, 0.3832

Monochromacy



Original Color

58.7486, 0.4296, 0.4801

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

53.5617, 0.3634, 0.3994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.7486, 0.4296, 0.4801 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(224, 203, 45)` looks like.

```
.text, #text, p{  
    color:rgb(224, 203, 45)  
}
```

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(224, 203, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 203, 45) }
```

Border

The CSS property to change the border of an element to Yxy 58.7486, 0.4296, 0.4801 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(224, 203, 45) }
```

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

```
.border{ border-color:rgb(224, 203, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 203, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 203, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 203, 45);  
box-shadow:4px 4px 4px 4px rgb(224, 203,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 58.7486, 0.4296, 0.4801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 203, 45) }
```

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

```
.background{ background-color: rgb(224,  
203, 45) }
```

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