

Converting Colors

$Y_{xy}(67.2460, 0.4376, 0.5065)$

Have a look what the booklet for
Yxy(67.2460, 0.4376, 0.5065)
contains.

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Color

Yxy(67.4664, 0.4312, 0.4958)

Conversions

Conversions Part 1

Format	Color
Hex	E9DA00
RGB	233, 218, 0
RGB Percent	91%, 85%, 0%
CMY	0.0863, 0.1451, 0.9994
CMYK	0.00, 0.06, 1.00, 0.09
HSL	56°, 100%, 46%
HSV	56°, 100%, 91%
XYZ	58.6759, 67.4664, 9.9335
YIQ	197.6330, 78.9180, -64.6180

Conversions

Conversions Part 2

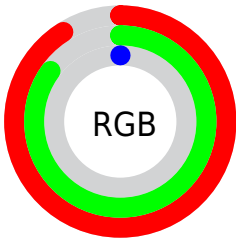
Format	Color
R _Y B	16, 233, 0
Decimal	15325696
CIE Lab	85.74, -12.79, 85.38
CIE LCh	86, 86.330, 98.520
Yxy	67.4664, 0.4312, 0.4958
Android (android.graphics.Color)	4293515776 (0xFFE9DA00)
YUV	197.6330, -97.4331, 31.0169
Hunter-Lab	82.1379, -16.2285, 50.3262

Details

The Yxy color **67.4664, 0.4312, 0.4958** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **6.2300, 0.1509, 0.0632**, and the grayscale version is **56.8173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4846, 0.4031, 0.4785**, and **35.3216, 0.4276, 0.4987** is the 20% darker color. If you saturate the color by 10%, you get **67.4639, 0.4312, 0.4958**, and if you desaturate by 10%, it is **68.3146, 0.4278, 0.4935**.

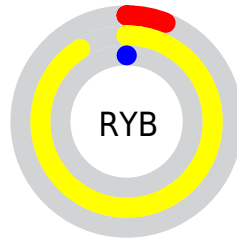
Distribution



Red (91%)

Green (85%)

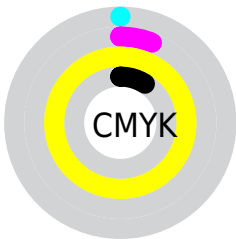
Blue (0%)



Red (6%)

Yellow (91%)

Blue (0%)

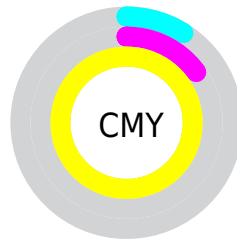


Cyan (0%)

Magenta (6%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (15%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.4664, 0.4312, 0.4958 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 67.4664, 0.4312, 0.4958 by changing the saturation by 10% instead.


 67.4664, 0.4312,
0.4958

 67.4664, 0.4312,
0.4958


451.6031, 0.3857,
0.4253


 49.4638, 0.4377,
0.5083


 115.5885, 0.4183,
0.4739

 34.9875, 0.4437,
0.5216


 146.4767, 0.4124,
0.4646

 23.6532, 0.4480,
0.5350


 182.4288, 0.4070,
0.4562

 15.0766, 0.4505,
0.5495

 223.8294, 0.4019,
0.4487

 8.8732, 0.4432,
0.5568

 271.0627, 0.3973,
0.4419

 4.6585, 0.4324,
0.5676


 324.5131, 0.3931,

 2.0483, 0.4145,

0.4358


0.5855


384.5652, 0.3893,
0.4303


 0.6353, 0.3146,
0.6854


 0.0000, 0.0000,
0.0000


 67.4664, 0.4312,
0.4958

 67.4664, 0.4312,
0.4958

 67.4639, 0.4312,
0.4958

 68.3146, 0.4278,
0.4935

 69.2429, 0.4221,
0.4873

 70.2783, 0.4136,
0.4768

 71.4350, 0.4026,
0.4620

■ 72.7246, 0.3894,
0.4435

■ 74.1577, 0.3747,
0.4223

■ 75.7433, 0.3592,
0.3994

■ 77.4901, 0.3433,
0.3756

■ 79.4059, 0.3277,
0.3519

Harmonies

Analogous

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



67.4664, 0.4995, 0.4265



67.4664, 0.4312, 0.4958



67.4664, 0.3387, 0.5277

Triad

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



67.4664, 0.4312, 0.4958



67.4664, 0.1437, 0.2498



67.4664, 0.3607, 0.2291

Complementary

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



67.4664, 0.4312, 0.4958



6.2300, 0.1509, 0.0632

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.



67.4664, 0.2567, 0.1909



67.4664, 0.4312, 0.4958



67.4664, 0.1479, 0.1948

Square

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



67.4664, 0.4312, 0.4958



67.4664, 0.1747, 0.3520



67.4664, 0.1845, 0.1781



67.4664, 0.4646, 0.2867

Rectangle

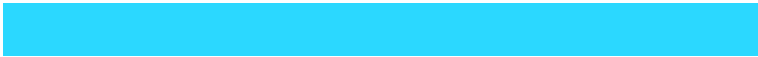
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.4664, 0.4312, 0.4958



67.4664, 0.2746, 0.5014



67.4664, 0.1845, 0.1781



67.4664, 0.3238, 0.2138

Sweetspot

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



67.4696, 0.4312, 0.4958



92.9120, 0.3595, 0.3999



17.3632, 0.6344, 0.3269



19.7058, 0.3662, 0.4097



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.



67.4696, 0.4312, 0.4958



82.7482, 0.4313, 0.4958



63.1906, 0.3452, 0.5641



17.4511, 0.3269, 0.3508



38.3521, 0.4310, 0.4960



3.0618, 0.4292, 0.4974

Inverse Universe

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



6.2300, 0.1509, 0.0632



7.6031, 0.1508, 0.0629



8.6565, 0.1887, 0.0813



14.7046, 0.2980, 0.3062



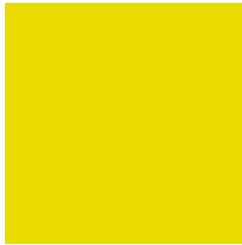
3.5930, 0.1512, 0.0641



0.3370, 0.1542, 0.0750

Previews

White Background



This preview shows how the Yxy color 67.4664, 0.4312, 0.4958 looks on a white background.

Color Contrast Check

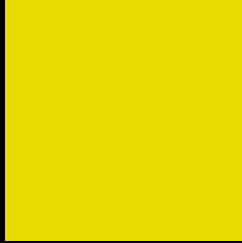
Large Text (above 18pt) WCAG AA × Fail

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 67.4664, 0.4312, 0.4958 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 67.4664, 0.4312, 0.4958

Background



This preview shows how black text looks on a background with the Yxy color 67.4664, 0.4312, 0.4958.

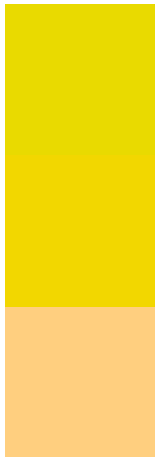


This preview shows how white text looks on a background with the Yxy color 67.4664, 0.4312, 0.4958.

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

67.4664, 0.4312, 0.4958

Protanopia

67.4781, 0.4408, 0.4882

Deuteranopia

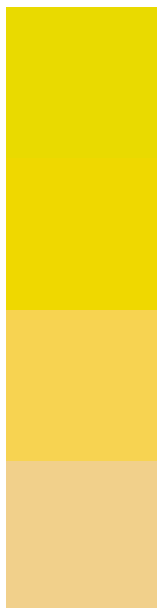
67.4180, 0.4100, 0.4102



Tritanopia

67.3667, 0.3351, 0.3134

Trichromacy



Original Color

67.4664, 0.4312, 0.4958

Protanomaly

67.4625, 0.4376, 0.4908

Deuteranomaly

66.9568, 0.4281, 0.4540

Tritanomaly

65.6766, 0.3897, 0.4031

Monochromacy



Original Color

67.4664, 0.4312, 0.4958

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

59.0179, 0.3751, 0.4220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.4664, 0.4312, 0.4958 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(233, 218, 0)` looks like.

```
.text, #text, p{  
    color:rgb(233, 218, 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(233, 218, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 218, 0) }
```

Border

The CSS property to change the border of an element to Yxy 67.4664, 0.4312, 0.4958 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(233, 218, 0) }
```

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

```
.border{ border-color:rgb(233, 218, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 218, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 218, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 218, 0);  
box-shadow:4px 4px 4px 4px rgb(233, 218,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 67.4664, 0.4312, 0.4958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 218, 0) }
```

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

```
.background{ background-color: rgb(233,  
218, 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](#).

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