

Converting Colors

$Y_{xy}(65.8933, 0.4505, 0.5073)$

Have a look what the booklet for
Yxy(65.8933, 0.4505, 0.5073)
contains.

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Color

Yxy(66.2703, 0.4385, 0.4900)

Conversions

Conversions Part 1

Format	Color
Hex	EED600
RGB	238, 214, 0
RGB Percent	93%, 84%, 0%
CMY	0.0667, 0.1608, 0.9993
CMYK	0.00, 0.10, 1.00, 0.07
HSL	54°, 100%, 47%
HSV	54°, 100%, 93%
XYZ	59.3052, 66.2703, 9.6701
YIQ	196.7800, 82.9980, -61.4660

Conversions

Conversions Part 2

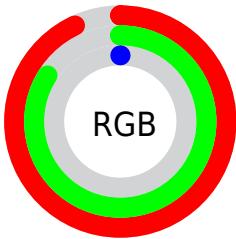
Format	Color
R _Y B	27, 238, 0
Decimal	15652352
CIE Lab	85.13, -8.67, 85.14
CIE LCh	85, 85.577, 95.813
Yxy	66.2703, 0.4385, 0.4900
Android (android.graphics.Color)	4293842432 (0xFFEED600)
YUV	196.7800, -97.0125, 36.1499
Hunter-Lab	81.4066, -12.4232, 49.9417

Details

The Yxy color **66.2703, 0.4385, 0.4900** 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 **6.8336, 0.1516, 0.0657**, and the grayscale version is **56.2681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4846, 0.4031, 0.4785**, and **34.4887, 0.4372, 0.4911** is the 20% darker color. If you saturate the color by 10%, you get **66.2640, 0.4385, 0.4900**, and if you desaturate by 10%, it is **67.5628, 0.4342, 0.4882**.

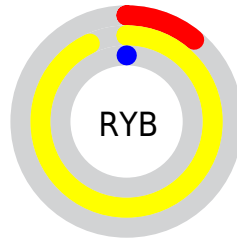
Distribution



Red (93%)

Green (84%)

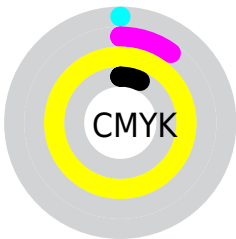
Blue (0%)



Red (11%)

Yellow (93%)

Blue (0%)

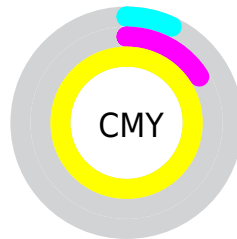


Cyan (0%)

Magenta (10%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (16%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.2703, 0.4385, 0.4900 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 66.2703, 0.4385, 0.4900 by changing the saturation by 10% instead.


 66.2703, 0.4385,
0.4900


 66.2703, 0.4385,
0.4900


447.3429, 0.3893,
0.4228


 48.4919, 0.4459,
0.5016

 113.8742, 0.4243,
0.4694


 34.2166, 0.4528,
0.5137


 144.4684, 0.4179,
0.4606


 23.0600, 0.4585,
0.5257


 180.1034, 0.4120,
0.4526

 14.6378, 0.4623,
0.5377

 221.1635, 0.4066,
0.4454

 8.5656, 0.4573,
0.5427

 268.0331, 0.4017,
0.4389

 4.4589, 0.4499,
0.5501


 321.0966, 0.3972,


 1.9335, 0.4376,


0.4330


0.5624


380.7384, 0.3931,
0.4277


 0.5684, 0.3664,
0.6336

 0.0000, 0.0000,
0.0000


 66.2703, 0.4385,
0.4900


 66.2703, 0.4385,
0.4900

 66.2640, 0.4385,
0.4900

 67.5628, 0.4342,
0.4882

 68.9504, 0.4274,
0.4826

 70.4612, 0.4178,
0.4724

 72.1099, 0.4057,
0.4579

■ 73.9092, 0.3916,
0.4399

■ 75.8700, 0.3761,
0.4192

■ 78.0022, 0.3599,
0.3969

■ 80.3146, 0.3437,
0.3739

■ 82.8156, 0.3278,
0.3510

Harmonies

Analogous

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



66.2703, 0.5032, 0.4198



66.2703, 0.4385, 0.4900



66.2703, 0.3475, 0.5272

Triad

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



66.2703, 0.4385, 0.4900



66.2703, 0.1453, 0.2573



66.2703, 0.3505, 0.2250

Complementary

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



66.2703, 0.4385, 0.4900



6.8336, 0.1516, 0.0657

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.



66.2703, 0.2489, 0.1890



66.2703, 0.4385, 0.4900



66.2703, 0.1466, 0.1983

Square

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



66.2703, 0.4385, 0.4900



66.2703, 0.1798, 0.3630



66.2703, 0.1801, 0.1787



66.2703, 0.4563, 0.2811

Rectangle

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



66.2703, 0.4385, 0.4900



66.2703, 0.2832, 0.5071



66.2703, 0.1801, 0.1787



66.2703, 0.3140, 0.2104

Sweetspot

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



66.2735, 0.4385, 0.4900



91.1906, 0.3602, 0.3974



18.2630, 0.6280, 0.3234



19.2876, 0.3671, 0.4069



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.



66.2735, 0.4385, 0.4900



77.4560, 0.4386, 0.4899



67.3316, 0.3528, 0.5580



18.1706, 0.3271, 0.3500



37.0818, 0.4382, 0.4903



3.1629, 0.4354, 0.4925

Inverse Universe

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



6.8336, 0.1516, 0.0657



7.9463, 0.1515, 0.0654



8.4178, 0.1804, 0.0768



15.4851, 0.2980, 0.3071



3.8935, 0.1519, 0.0670



0.4093, 0.1562, 0.0822

Previews

White Background



This preview shows how the Yxy color 66.2703, 0.4385, 0.4900 looks on a white background.

Color Contrast Check

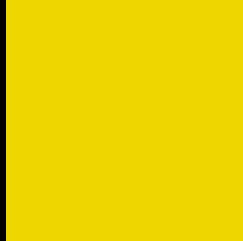
Large Text (above 18pt) WCAG AA × Fail

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 66.2703, 0.4385, 0.4900 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 66.2703, 0.4385, 0.4900

Background



This preview shows how black text looks on a background with the Yxy color 66.2703, 0.4385, 0.4900.

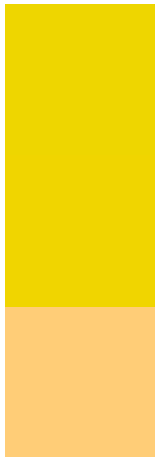


This preview shows how white text looks on a background with the Yxy color 66.2703, 0.4385, 0.4900.

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

66.2703, 0.4385, 0.4900

Protanopia

66.1138, 0.4409, 0.4881

Deuteranopia

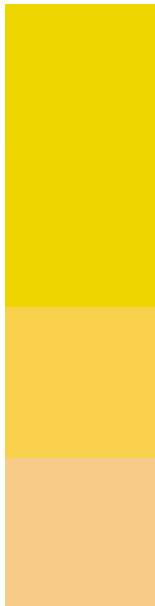
66.2546, 0.4166, 0.4157



Tritanopia

66.2111, 0.3426, 0.3136

Trichromacy



Original Color

66.2703, 0.4385, 0.4900

Protanomaly

65.9392, 0.4402, 0.4887

Deuteranomaly

65.7733, 0.4342, 0.4539

Tritanomaly

64.5561, 0.3978, 0.4010

Monochromacy



Original Color

66.2703, 0.4385, 0.4900

Achromatopsia

55.8340, 0.3127, 0.3290

Achromatomaly

58.1896, 0.3776, 0.4208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2703, 0.4385, 0.4900 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, 214, 0)` looks like.

```
.text, #text, p{  
    color:rgb(238, 214, 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(238, 214, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 214, 0) }
```

Border

The CSS property to change the border of an element to Yxy 66.2703, 0.4385, 0.4900 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, 214, 0) }
```

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

```
.border{ border-color:rgb(238, 214, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 214, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 214, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 214, 0);  
box-shadow:4px 4px 4px 4px rgb(238, 214,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2703, 0.4385, 0.4900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 214, 0) }
```

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

```
.background{ background-color: rgb(238,  
214, 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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