

Converting Colors

$Yxy(66.6453, 0.4135, 0.4806)$

Have a look what the booklet for
Yxy(66.6453, 0.4135, 0.4806)
contains.

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Color

Yxy(66.6817, 0.4134, 0.4806)

Conversions

Conversions Part 1

Format	Color
Hex	E2DA40
RGB	226, 218, 64
RGB Percent	89%, 85%, 25%
CMY	0.1138, 0.1451, 0.7488
CMYK	0.00, 0.04, 0.72, 0.11
HSL	57°, 74%, 57%
HSV	57°, 72%, 89%
XYZ	57.3579, 66.6817, 14.7072
YIQ	202.8360, 54.2020, -46.1980

Conversions

Conversions Part 2

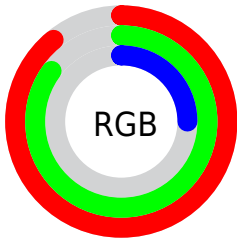
Format	Color
RYB	72, 226, 64
Decimal	14867008
CIELab	85.34, -14.30, 72.11
CIELCh	85, 73.515, 101.213
Yxy	66.6817, 0.4134, 0.4806
Android (android.graphics.Color)	4293057088 (0xFFE2DA40)
YUV	202.8360, -68.4461, 20.3148
Hunter-Lab	81.6589, -17.5230, 46.4828

Details

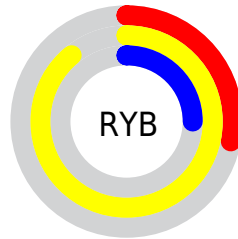
The Yxy color **66.6817, 0.4134, 0.4806** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **11.2215, 0.1771, 0.1094**, and the grayscale version is **60.0295, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1605, 0.3893, 0.4557**, and **34.4099, 0.4235, 0.5019** is the 20% darker color. If you saturate the color by 10%, you get **65.9022, 0.4210, 0.4906**, and if you desaturate by 10%, it is **67.5755, 0.4032, 0.4663**.

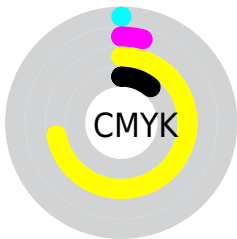
Distribution



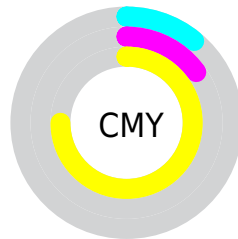
- Red (89%)
- Green (85%)
- Blue (25%)



- Red (28%)
- Yellow (89%)
- Blue (25%)



- Cyan (0%)
- Magenta (4%)
- Yellow (72%)
- Black (11%)




- Cyan (11%)
- Magenta (15%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.6817, 0.4134, 0.4806 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 66.6817, 0.4134, 0.4806 by changing the saturation by 10% instead.


 66.6817, 0.4134,
0.4806


 66.6817, 0.4134,
0.4806


448.8109, 0.3725,
0.4130


 48.8260, 0.4203,
0.4940


 114.4642, 0.4010,
0.4585


 34.4815, 0.4272,
0.5092


 145.1598, 0.3956,
0.4494

 23.2637, 0.4334,
0.5260


 180.9041, 0.3908,
0.4415

 14.7884, 0.4389,
0.5455

 222.0816, 0.3863,
0.4344

 8.6710, 0.4375,
0.5625

 269.0767, 0.3824,
0.4281

 4.5272, 0.4252,
0.5748


322.2736, 0.3787,

 1.9726, 0.4046,


0.4225


0.5954


382.0569, 0.3755,
0.4175


 0.5915, 0.2650,
0.7350


 0.0000, 0.0000,
0.0000

 66.6817, 0.4134,
0.4806


 66.6817, 0.4134,
0.4806

 65.9022, 0.4210,
0.4906

 67.5755, 0.4032,
0.4663


 65.2142, 0.4259,
0.4962


 68.5854, 0.3908,
0.4483

 64.6937, 0.4283,
0.4981

 69.7245, 0.3766,
0.4273

 71.0014, 0.3615,
0.4043

 72.4240, 0.3458,
0.3804

 73.9999, 0.3302,
0.3563

 75.7357, 0.3151,
0.3328

 77.6379, 0.3008,
0.3103

 78.8847, 0.2947,
0.3013

Harmonies

Analogous

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



66.6817, 0.4737, 0.4254



66.6817, 0.4134, 0.4806



66.6817, 0.3314, 0.4961

Triad

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



66.6817, 0.4134, 0.4806



66.6817, 0.1623, 0.2563



66.6817, 0.3634, 0.2454

Complementary

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



66.6817, 0.4134, 0.4806



11.2215, 0.1771, 0.1094

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.



66.6817, 0.2722, 0.2089



66.6817, 0.4134, 0.4806



66.6817, 0.1682, 0.2092

Square

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



66.6817, 0.4134, 0.4806



66.6817, 0.1887, 0.3411



66.6817, 0.2046, 0.1954



66.6817, 0.4492, 0.2989

Rectangle

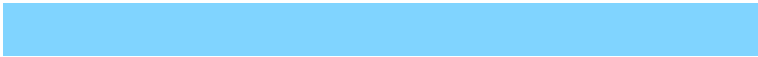
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.6817, 0.4134, 0.4806



66.6817, 0.2751, 0.4671



66.6817, 0.2046, 0.1954



66.6817, 0.3317, 0.2310

Sweetspot

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



66.6848, 0.4134, 0.4806



95.3479, 0.3450, 0.3792



20.3098, 0.5460, 0.3226



20.2922, 0.3494, 0.3859



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.



66.6848, 0.4134, 0.4806



86.2102, 0.4237, 0.4939



61.5371, 0.3517, 0.5243



15.9078, 0.3268, 0.3510



36.9676, 0.4281, 0.4983



2.5984, 0.4267, 0.4994

Inverse Universe

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



11.2215, 0.1771, 0.1094



9.5826, 0.1584, 0.0768



14.4763, 0.2275, 0.1273



13.3509, 0.2981, 0.3060



3.3206, 0.1509, 0.0632



0.2689, 0.1535, 0.0726

Previews

White Background



This preview shows how the Yxy color 66.6817, 0.4134, 0.4806 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 66.6817, 0.4134, 0.4806 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 66.6817, 0.4134, 0.4806

Background



This preview shows how black text looks on a background with the Yxy color 66.6817, 0.4134, 0.4806.



This preview shows how white text looks on a background with the Yxy color 66.6817, 0.4134, 0.4806.

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

66.6817, 0.4134, 0.4806

Protanopia

66.8027, 0.4271, 0.4713

Deuteranopia

66.4033, 0.4125, 0.4102



Tritanopia

66.6509, 0.3288, 0.3132

Trichromacy



Original Color

66.6817, 0.4134, 0.4806

Protanomaly

66.4522, 0.4224, 0.4747

Deuteranomaly

66.3056, 0.4147, 0.4379

Tritanomaly

65.7377, 0.3660, 0.3798

Monochromacy



Original Color

66.6817, 0.4134, 0.4806

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

61.2276, 0.3556, 0.3952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6817, 0.4134, 0.4806 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(226, 218, 64)` looks like.

```
.text, #text, p{  
    color:rgb(226, 218, 64)  
}
```

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(226, 218, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 218, 64) }
```

Border

The CSS property to change the border of an element to Yxy 66.6817, 0.4134, 0.4806 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(226, 218, 64) }
```

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

```
.border{ border-color:rgb(226, 218, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 218, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 218, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 218, 64);  
box-shadow:4px 4px 4px 4px rgb(226, 218,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6817, 0.4134, 0.4806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 218, 64) }
```

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

```
.background{ background-color: rgb(226,  
218, 64) }
```

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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