

Converting Colors

Yxy(85.8513, 0.4210, 0.5039)

Have a look what the booklet for
Yxy(85.8513, 0.4210, 0.5039)
contains.

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Color

Yxy(85.8680, 0.4207, 0.5041)

Conversions

Conversions Part 1

Format	Color
Hex	F8F600
RGB	248, 246, 0
RGB Percent	97%, 96%, 0%
CMY	0.0276, 0.0352, 0.9982
CMYK	0.00, 0.01, 1.00, 0.03
HSL	60°, 100%, 49%
HSV	60°, 100%, 97%
XYZ	71.6617, 85.8680, 12.8095
YIQ	218.5540, 80.1580, -76.0820

Conversions

Conversions Part 2

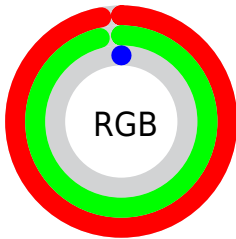
Format	Color
R _Y B	2, 248, 0
Decimal	16315904
CIE Lab	94.26, -20.16, 92.10
CIE LCh	94, 94.279, 102.349
Yxy	85.8680, 0.4207, 0.5041
Android (android.graphics.Color)	4294505984 (0xFFFF8F600)
YUV	218.5540, -107.7471, 25.8241
Hunter-Lab	92.6650, -24.1222, 56.6696

Details

The Yxy color **85.8680, 0.4207, 0.5041** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **6.8311, 0.1502, 0.0604**, and the grayscale version is **71.2692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5882, 0.4009, 0.4748**, and **47.3917, 0.4166, 0.5074** is the 20% darker color. If you saturate the color by 10%, you get **85.8688, 0.4207, 0.5041**, and if you desaturate by 10%, it is **86.0617, 0.4187, 0.5012**.

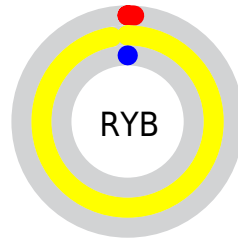
Distribution



Red (97%)

Green (96%)

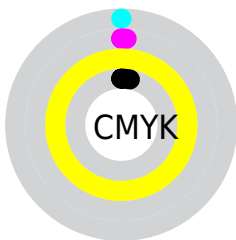
Blue (0%)



Red (1%)

Yellow (97%)

Blue (0%)

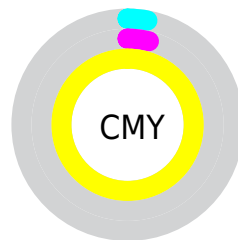


Cyan (0%)

Magenta (1%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (4%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.8680, 0.4207, 0.5041 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 85.8680, 0.4207, 0.5041 by changing the saturation by 10% instead.


 85.8680, 0.4207,
0.5041

 85.8680, 0.4207,
0.5041


514.4959, 0.3825,
0.4320


 64.5588, 0.4257,
0.5169


 141.5853, 0.4104,
0.4819

 47.1034, 0.4300,
0.5307


 176.7622, 0.4055,
0.4724


 33.1174, 0.4327,
0.5451


 217.3304, 0.4010,
0.4638

 22.2164, 0.4349,
0.5626

 263.6744, 0.3967,
0.4561

 14.0160, 0.4272,
0.5728

 316.1786, 0.3927,
0.4492

 8.1318, 0.4149,
0.5851

 375.2273, 0.3891,

 4.1794, 0.3962,


0.4429


0.6038


441.2049, 0.3857,
0.4372


 1.7744, 0.3648,
0.6352


 0.4712, 0.0000,
1.0000


 85.8680, 0.4207,
0.5041


 85.8680, 0.4207,
0.5041


 85.8688, 0.4207,
0.5041


 86.0617, 0.4187,
0.5012


 86.3407, 0.4145,
0.4946

 86.7356, 0.4076,
0.4836


 87.2627, 0.3981,
0.4683

 87.9359, 0.3863,
0.4492

 88.7671, 0.3727,
0.4271

 89.7671, 0.3580,
0.4031

 90.9459, 0.3427,
0.3781

 92.3123, 0.3274,
0.3530

Harmonies

Analogous

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



85.8680, 0.4941, 0.4363



85.8680, 0.4207, 0.5041



85.8680, 0.3262, 0.5277

Triad

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



85.8680, 0.4207, 0.5041



85.8680, 0.1415, 0.2395



85.8680, 0.3755, 0.2350

Complementary

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



85.8680, 0.4207, 0.5041



6.8311, 0.1502, 0.0604

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.



85.8680, 0.2682, 0.1937



85.8680, 0.4207, 0.5041



85.8680, 0.1498, 0.1899

Square

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



85.8680, 0.4207, 0.5041



85.8680, 0.1676, 0.3365



85.8680, 0.1909, 0.1774



85.8680, 0.4763, 0.2946

Rectangle

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



85.8680, 0.4207, 0.5041



85.8680, 0.2623, 0.4928



85.8680, 0.1909, 0.1774



85.8680, 0.3379, 0.2187

Sweetspot

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



85.8720, 0.4207, 0.5041



95.6290, 0.3584, 0.4037



19.9714, 0.6386, 0.3293



20.3678, 0.3647, 0.4140



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.



85.8720, 0.4207, 0.5041



91.4999, 0.4207, 0.5041



71.7340, 0.3378, 0.5699



20.1658, 0.3269, 0.3522



46.4092, 0.4207, 0.5042



4.3057, 0.4205, 0.5043

Inverse Universe

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



6.8311, 0.1502, 0.0604



7.2638, 0.1501, 0.0603



10.7854, 0.1975, 0.0862



16.6650, 0.2979, 0.3046



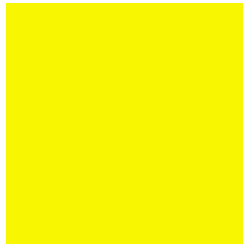
3.6935, 0.1501, 0.0605



0.3496, 0.1505, 0.0617

Previews

White Background



This preview shows how the Yxy color 85.8680, 0.4207, 0.5041 looks on a white background.

Color Contrast Check

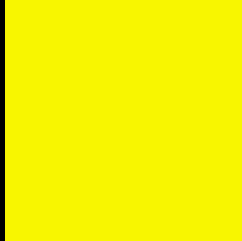
Large Text (above 18pt) WCAG AA × Fail

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 85.8680, 0.4207, 0.5041 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 85.8680, 0.4207, 0.5041

Background



This preview shows how black text looks on a background with the Yxy color 85.8680, 0.4207, 0.5041.



This preview shows how white text looks on a background with the Yxy color 85.8680, 0.4207, 0.5041.

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

85.8680, 0.4207, 0.5041

Protanopia

85.8576, 0.3686, 0.3992

Deuteranopia

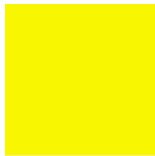
85.3798, 0.3420, 0.3531



Tritanopia

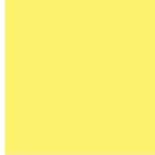
85.5049, 0.3207, 0.3173

Trichromacy



Original Color

85.8680, 0.4207, 0.5041



Protanomaly

85.2824, 0.3998, 0.4570



Deuteranomaly

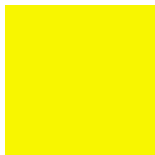
84.1497, 0.3876, 0.4331



Tritanomaly

83.6304, 0.3759, 0.4118

Monochromacy



Original Color

85.8680, 0.4207, 0.5041



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.7551, 0.3716, 0.4249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8680, 0.4207, 0.5041 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(248, 246, 0)` looks like.

```
.text, #text, p{  
    color:rgb(248, 246, 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(248, 246, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 246, 0) }
```

Border

The CSS property to change the border of an element to Yxy 85.8680, 0.4207, 0.5041 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(248, 246, 0) }
```

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

```
.border{ border-color:rgb(248, 246, 0) }
```

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

Here you see how a box with a 4 pixel rgb(248, 246, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 246, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 246, 0);  
box-shadow:4px 4px 4px 4px rgb(248, 246,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8680, 0.4207, 0.5041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 246, 0) }
```

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

```
.background{ background-color: rgb(248,  
246, 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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