

Converting Colors

$Yxy(85.6772, 0.4075, 0.5146)$

Have a look what the booklet for
Yxy(85.6772, 0.4075, 0.5146)
contains.

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Color

Yxy(85.6949, 0.4073, 0.5148)

Conversions

Conversions Part 1

Format	Color
Hex	E9FA00
RGB	233, 250, 0
RGB Percent	91%, 98%, 0%
CMY	0.0861, 0.0196, 0.9998
CMYK	0.07, 0.00, 1.00, 0.02
HSL	64°, 100%, 49%
HSV	64°, 100%, 98%
XYZ	67.8002, 85.6949, 12.9674
YIQ	216.4170, 70.1180, -81.3540

Conversions

Conversions Part 2

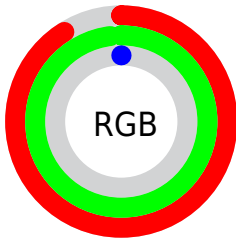
Format	Color
RYB	0, 250, 17
Decimal	15333888
CIELab	94.18, -28.17, 91.57
CIELCh	94, 95.803, 107.099
Yxy	85.6949, 0.4073, 0.5148
Android (android.graphics.Color)	4293523968 (0xFFE9FA00)
YUV	216.4170, -106.6936, 14.5433
Hunter-Lab	92.5715, -31.2653, 56.4947

Details

The Yxy color **85.6949, 0.4073, 0.5148** 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 **7.0219, 0.1516, 0.0609**, and the grayscale version is **69.6861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6062, 0.4005, 0.4742**, and **47.3542, 0.3995, 0.5210** is the 20% darker color. If you saturate the color by 10%, you get **85.6983, 0.4073, 0.5148**, and if you desaturate by 10%, it is **86.0560, 0.4067, 0.5107**.

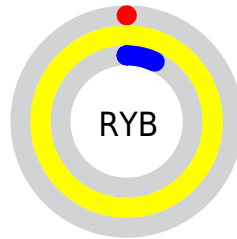
Distribution



Red (91%)

Green (98%)

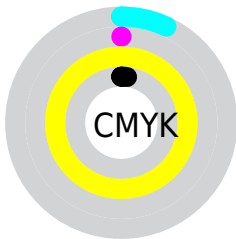
Blue (0%)



Red (0%)

Yellow (98%)

Blue (7%)

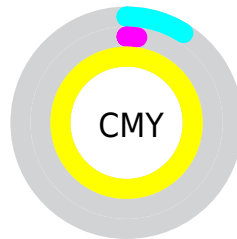


Cyan (7%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (9%)


Magenta (2%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.6949, 0.4073, 0.5148 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 85.6949, 0.4073, 0.5148 by changing the saturation by 10% instead.

 85.6949, 0.4073,
0.5148

 85.6949, 0.4073,
0.5148


513.9246, 0.3754,
0.4363


 64.4157, 0.4109,
0.5293


 141.3437, 0.3991,
0.4901

 46.9875, 0.4135,
0.5452


 176.4820, 0.3951,
0.4797

 33.0257, 0.4141,
0.5623


 217.0089, 0.3913,
0.4704

 22.1462, 0.4134,
0.5832

 263.3086, 0.3876,
0.4621

 13.9643, 0.4024,
0.5976

 315.7657, 0.3842,
0.4546

 8.0959, 0.3848,
0.6152


 374.7645, 0.3810,


 4.1564, 0.3582,


0.4479


0.6418


440.6893, 0.3781,
0.4418


 1.7614, 0.3136,
0.6864

 0.4629, 0.0000,
1.0000


 85.6949, 0.4073,
0.5148


 85.6949, 0.4073,
0.5148


 85.6983, 0.4073,
0.5148

 86.0560, 0.4067,
0.5107


 86.5058, 0.4039,
0.5028


 87.0761, 0.3985,
0.4904


 87.7835, 0.3904,
0.4736

 88.6422, 0.3801,
0.4532

 89.6644, 0.3680,
0.4300

 90.8613, 0.3546,
0.4050

 92.2428, 0.3406,
0.3793

 93.8182, 0.3265,
0.3537

Harmonies

Analogous

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



85.6949, 0.4869, 0.4489



85.6949, 0.4073, 0.5148



85.6949, 0.3102, 0.5272

Triad

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



85.6949, 0.4073, 0.5148



85.6949, 0.1385, 0.2269



85.6949, 0.3945, 0.2422

Complementary

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



85.6949, 0.4073, 0.5148



7.0219, 0.1516, 0.0609

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.



85.6949, 0.2831, 0.1970



85.6949, 0.4073, 0.5148



85.6949, 0.1521, 0.1838

Square

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



85.6949, 0.4073, 0.5148



85.6949, 0.1588, 0.3176



85.6949, 0.1991, 0.1762



85.6949, 0.4909, 0.3043

Rectangle

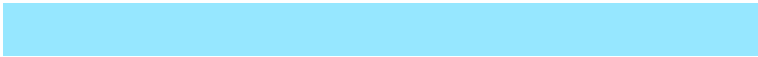
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.6949, 0.4073, 0.5148



85.6949, 0.2468, 0.4812



85.6949, 0.1991, 0.1762



85.6949, 0.3563, 0.2248

Sweetspot

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



85.6989, 0.4073, 0.5148



95.0436, 0.3547, 0.4051



20.7150, 0.6365, 0.3328



20.2253, 0.3604, 0.4158



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.



85.6989, 0.4073, 0.5148



89.6460, 0.4073, 0.5148



71.5787, 0.3268, 0.5788



20.1273, 0.3258, 0.3525



45.4848, 0.4075, 0.5146



4.2302, 0.4090, 0.5135

Inverse Universe

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



7.0219, 0.1516, 0.0609



7.3419, 0.1515, 0.0608



12.6254, 0.2142, 0.0954



16.6992, 0.2989, 0.3045



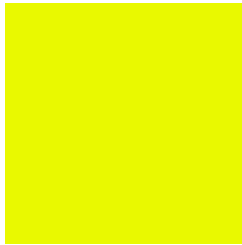
3.7452, 0.1521, 0.0611



0.3659, 0.1570, 0.0638

Previews

White Background



This preview shows how the Yxy color 85.6949, 0.4073, 0.5148 looks on a white background.

Color Contrast Check

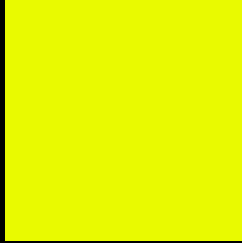
Large Text (above 18pt) WCAG AA × Fail

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 85.6949, 0.4073, 0.5148 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 85.6949, 0.4073, 0.5148

Background



This preview shows how black text looks on a background with the Yxy color 85.6949, 0.4073, 0.5148.

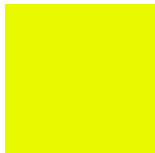


This preview shows how white text looks on a background with the Yxy color 85.6949, 0.4073, 0.5148.

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



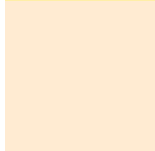
Original Color

85.6949, 0.4073, 0.5148



Protanopia

85.1991, 0.3702, 0.4003



Deuteranopia

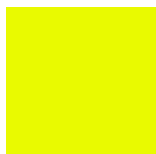
85.3298, 0.3427, 0.3541



Tritanopia

85.1875, 0.3136, 0.3104

Trichromacy



Original Color

85.6949, 0.4073, 0.5148



Protanomaly

84.3190, 0.3971, 0.4605



Deuteranomaly

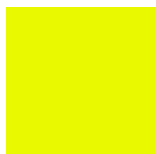
83.8156, 0.3835, 0.4355



Tritanomaly

83.5042, 0.3662, 0.4104

Monochromacy



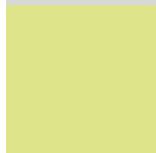
Original Color

85.6949, 0.4073, 0.5148



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

72.8225, 0.3677, 0.4293

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6949, 0.4073, 0.5148 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, 250, 0)` looks like.

```
.text, #text, p{  
    color:rgb(233, 250, 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, 250, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 250, 0) }
```

Border

The CSS property to change the border of an element to Yxy 85.6949, 0.4073, 0.5148 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, 250, 0) }
```

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

```
.border{ border-color:rgb(233, 250, 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, 250, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 250, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 250, 0);  
box-shadow:4px 4px 4px 4px rgb(233, 250,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6949, 0.4073, 0.5148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 250, 0) }
```

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

```
.background{ background-color: rgb(233,  
250, 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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