

Converting Colors

$Yxy(88.8649, 0.4036, 0.5167)$

Have a look what the booklet for
Yxy(88.8649, 0.4036, 0.5167)
contains.

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Color

Yxy(88.8590, 0.4036, 0.5168)

Conversions

Conversions Part 1

Format	Color
Hex	E9FF07
RGB	233, 255, 7
RGB Percent	91%, 100%, 3%
CMY	0.0864, 0.0000, 0.9736
CMYK	0.09, 0.00, 0.97, 0.00
HSL	65°, 100%, 51%
HSV	65°, 97%, 100%
XYZ	69.3953, 88.8590, 13.6865
YIQ	220.1500, 66.4960, -81.7920

Conversions

Conversions Part 2

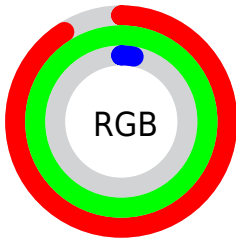
Format	Color
R_YB	7, 255, 29
Decimal	15335175
CIE Lab	95.52, -30.47, 92.09
CIE LCh	96, 97.001, 108.306
Yxy	88.8590, 0.4036, 0.5168
Android (android.graphics.Color)	4293525255 (0xFFE9FF07)
YUV	220.1500, -105.0829, 11.2694
Hunter-Lab	94.2651, -33.5571, 57.3771

Details

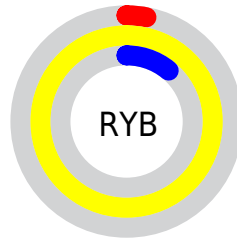
The Yxy color **88.8590, 0.4036, 0.5168** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.6243, 0.1535, 0.0628**, and the grayscale version is **72.3676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6431, 0.3998, 0.4729**, and **49.1588, 0.3963, 0.5236** is the 20% darker color. If you saturate the color by 10%, you get **88.7388, 0.4035, 0.5178**, and if you desaturate by 10%, it is **89.3281, 0.4030, 0.5116**.

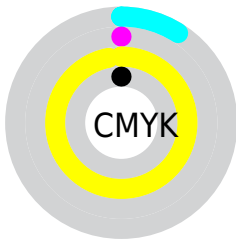
Distribution



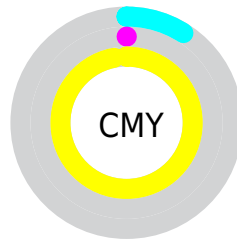
- Red (91%)
- Green (100%)
- Blue (3%)



- Red (3%)
- Yellow (100%)
- Blue (11%)



- Cyan (9%)
- Magenta (0%)
- Yellow (97%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.8590, 0.4036, 0.5168 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 88.8590, 0.4036, 0.5168 by changing the saturation by 10% instead.


 88.8590, 0.4036,
0.5168

 88.8590, 0.4036,
0.5168

524.3122, 0.3735,
0.4374


 67.0347, 0.4069,
0.5315


 145.7525, 0.3960,
0.4918


 49.1128, 0.4091,
0.5478


 181.5904, 0.3923,
0.4813

 34.7090, 0.4094,
0.5654


 222.8684, 0.3886,
0.4719

 23.4388, 0.4076,
0.5860

 269.9708, 0.3852,
0.4635

 14.9178, 0.3973,
0.6027

 323.2820, 0.3820,
0.4559

 8.7617, 0.3791,
0.6209


 383.1863, 0.3789,


 4.5861, 0.3519,

0.4491

0.6481


450.0683, 0.3761,
0.4430


 2.0065, 0.3074,
0.6926


 0.6113, 0.0000,
1.0000


 88.8590, 0.4036,
0.5168


 88.8590, 0.4036,
0.5168

 88.7388, 0.4035,
0.5178

 89.3281, 0.4030,
0.5116


 89.9134, 0.3999,
0.5021

 90.6319, 0.3941,
0.4881

 91.5001, 0.3858,
0.4699

 92.5324, 0.3754,
0.4482

 93.7413, 0.3632,
0.4241

 95.1381, 0.3500,
0.3986

 96.7332, 0.3363,
0.3727

 98.5361, 0.3226,
0.3472

Harmonies

Analogous

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



88.8590, 0.4844, 0.4519



88.8590, 0.4036, 0.5168



88.8590, 0.3062, 0.5258

Triad

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



88.8590, 0.4036, 0.5168



88.8590, 0.1384, 0.2243



88.8590, 0.3991, 0.2445

Complementary

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



88.8590, 0.4036, 0.5168



7.6243, 0.1535, 0.0628

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.



88.8590, 0.2872, 0.1983



88.8590, 0.4036, 0.5168



88.8590, 0.1533, 0.1828

Square

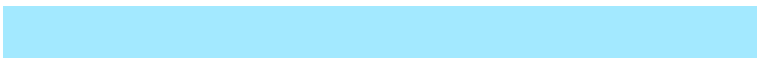
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.8590, 0.4036, 0.5168



88.8590, 0.1572, 0.3130



88.8590, 0.2017, 0.1765



88.8590, 0.4937, 0.3070

Rectangle

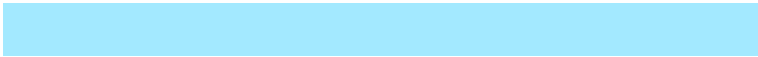
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.8590, 0.4036, 0.5168



88.8590, 0.2432, 0.4771



88.8590, 0.2017, 0.1765



88.8590, 0.3609, 0.2267

Sweetspot

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



88.8541, 0.4036, 0.5168



94.8950, 0.3522, 0.4029



22.0786, 0.6313, 0.3344



20.1818, 0.3579, 0.4138



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.



88.8541, 0.4036, 0.5168



88.7388, 0.4035, 0.5178



74.8616, 0.3262, 0.5780



21.0040, 0.3255, 0.3526



46.4018, 0.4038, 0.5176



4.5410, 0.4057, 0.5161

Inverse Universe

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



7.6243, 0.1535, 0.0628



7.3978, 0.1522, 0.0612



13.9994, 0.2203, 0.0995



17.4548, 0.2992, 0.3045



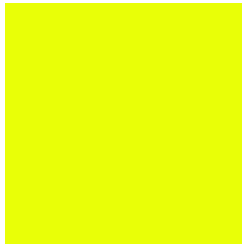
3.8915, 0.1528, 0.0615



0.4038, 0.1587, 0.0648

Previews

White Background



This preview shows how the Yxy color 88.8590, 0.4036, 0.5168 looks on a white background.

Color Contrast Check

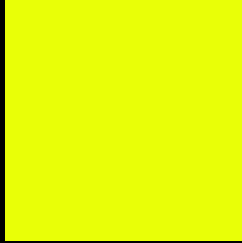
Large Text (above 18pt) WCAG AA × Fail

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 88.8590, 0.4036, 0.5168 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 88.8590, 0.4036, 0.5168

Background



This preview shows how black text looks on a background with the Yxy color 88.8590, 0.4036, 0.5168.

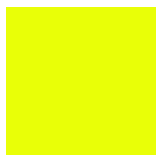


This preview shows how white text looks on a background with the Yxy color 88.8590, 0.4036, 0.5168.

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



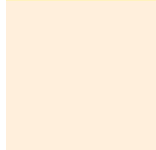
Original Color

88.8590, 0.4036, 0.5168



Protanopia

88.4820, 0.3543, 0.3810



Deuteranopia

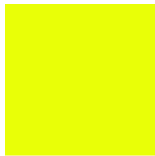
88.1603, 0.3355, 0.3479



Tritanopia

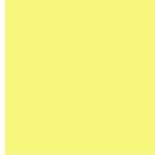
88.2976, 0.3109, 0.3115

Trichromacy



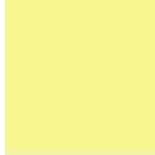
Original Color

88.8590, 0.4036, 0.5168



Protanomaly

87.7257, 0.3863, 0.4507



Deuteranomaly

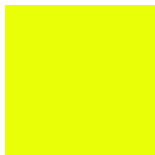
87.0320, 0.3770, 0.4323



Tritanomaly

86.6511, 0.3616, 0.4099

Monochromacy



Original Color

88.8590, 0.4036, 0.5168



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

76.2384, 0.3652, 0.4279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.8590, 0.4036, 0.5168 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, 255, 7)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 7)  
}
```

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, 255, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 7) }
```

Border

The CSS property to change the border of an element to Yxy 88.8590, 0.4036, 0.5168 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, 255, 7) }
```

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

```
.border{ border-color:rgb(233, 255, 7) }
```

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

Here you see how a box with a 4 pixel rgb(233, 255, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 7);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
7) }
```


Background

The CSS property to change the background color of an element to Yxy 88.8590, 0.4036, 0.5168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 255, 7) }
```

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

```
.background{ background-color: rgb(233,  
255, 7) }
```

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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