

Converting Colors

Yxy(86.9310, 0.4087, 0.4990)

Have a look what the booklet for
Yxy(86.9310, 0.4087, 0.4990)
contains.

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Color

Yxy(86.8589, 0.4085, 0.4993)

Conversions

Conversions Part 1

Format	Color
Hex	F2F932
RGB	242, 249, 50
RGB Percent	95%, 98%, 20%
CMY	0.0511, 0.0235, 0.8038
CMYK	0.03, 0.00, 0.80, 0.02
HSL	62°, 94%, 59%
HSV	62°, 80%, 98%
XYZ	71.0632, 86.8589, 16.0392
YIQ	224.2210, 59.7070, -63.3730

Conversions

Conversions Part 2

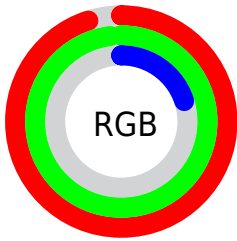
Format	Color
R_{YB}	50, 249, 57
Decimal	15923506
CIE _{Lab}	94.68, -23.25, 85.20
CIE _{LCh}	95, 88.315, 105.266
Yxy	86.8589, 0.4085, 0.4993
Android (android.graphics.Color)	4294113586 (0xFFFF2F932)
YUV	224.2210, -85.8910, 15.5922
Hunter-Lab	93.1981, -26.9912, 55.0350

Details

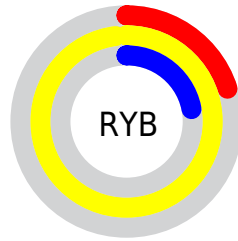
The Yxy color **86.8589, 0.4085, 0.4993** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **9.9954, 0.1655, 0.0830**, and the grayscale version is **75.3040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0178, 0.3921, 0.4603**, and **48.0850, 0.4094, 0.5131** is the 20% darker color. If you saturate the color by 10%, you get **86.5477, 0.4119, 0.5066**, and if you desaturate by 10%, it is **87.2957, 0.4025, 0.4875**.

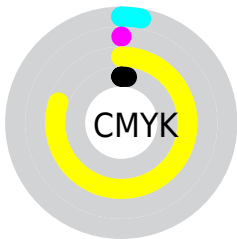
Distribution



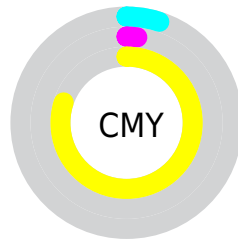
- Red (95%)
- Green (98%)
- Blue (20%)



- Red (20%)
- Yellow (98%)
- Blue (22%)



- Cyan (3%)
- Magenta (0%)
- Yellow (80%)
- Black (2%)





- Cyan (5%)
- Magenta (2%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8589, 0.4085, 0.4993 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 86.8589, 0.4085, 0.4993 by changing the saturation by 10% instead.


 86.8589, 0.4085,
0.4993

 86.8589, 0.4085,
0.4993


517.7591, 0.3740,
0.4270


 65.3784, 0.4133,
0.5130


 142.9675, 0.3989,
0.4763

 47.7680, 0.4176,
0.5282


 178.3643, 0.3945,
0.4667

 33.6432, 0.4207,
0.5448


 219.1688, 0.3904,
0.4582

 22.6196, 0.4215,
0.5627

 265.7653, 0.3865,
0.4506

 14.3129, 0.4182,
0.5818

 318.5382, 0.3830,
0.4437

 8.3386, 0.4041,
0.5959

377.8719, 0.3797,

 4.3124, 0.3828,

0.4376

0.6172

444.1507, 0.3767,
0.4320

■ 1.8498, 0.3473,
0.6527

■ 0.5179, 0.0000,
1.0000

■ 86.8589, 0.4085,
0.4993

■ 86.8589, 0.4085,
0.4993

■ 86.5477, 0.4119,
0.5066

■ 87.2957, 0.4025,
0.4875


■ 86.3227, 0.4131,
0.5102

■ 87.8624, 0.3938,
0.4715


■ 86.3208, 0.4131,
0.5102

■ 88.5771, 0.3829,
0.4517

■ 89.4520, 0.3701,
0.4290

 90.4979, 0.3562,
0.4044

 91.7248, 0.3416,
0.3789

 93.1419, 0.3269,
0.3535

 94.7577, 0.3126,
0.3288

 95.2857, 0.3098,
0.3232

Harmonies

Analogous

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



86.8589, 0.4797, 0.4396



86.8589, 0.4085, 0.4993



86.8589, 0.3183, 0.5111

Triad

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



86.8589, 0.4085, 0.4993



86.8589, 0.1496, 0.2392



86.8589, 0.3820, 0.2452

Complementary

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



86.8589, 0.4085, 0.4993



9.9954, 0.1655, 0.0830

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.



86.8589, 0.2802, 0.2035



86.8589, 0.4085, 0.4993



86.8589, 0.1605, 0.1951

Square

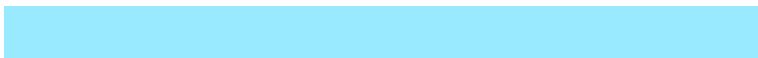
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.8589, 0.4085, 0.4993



86.8589, 0.1719, 0.3264



86.8589, 0.2033, 0.1855



86.8589, 0.4725, 0.3036

Rectangle

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



86.8589, 0.4085, 0.4993



86.8589, 0.2583, 0.4721



86.8589, 0.2033, 0.1855



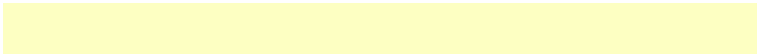
86.8589, 0.3469, 0.2290

Sweetspot

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



86.8629, 0.4085, 0.4993



96.2577, 0.3477, 0.3895



23.2652, 0.5895, 0.3338



20.5056, 0.3528, 0.3985



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.



86.8629, 0.4085, 0.4993



91.1967, 0.4128, 0.5091



73.8197, 0.3404, 0.5491



20.1576, 0.3263, 0.3525



46.2143, 0.4132, 0.5101



4.2898, 0.4140, 0.5095

Inverse Universe

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



9.9954, 0.1655, 0.0830



7.5785, 0.1522, 0.0626



16.2067, 0.2297, 0.1164



16.6723, 0.2984, 0.3045



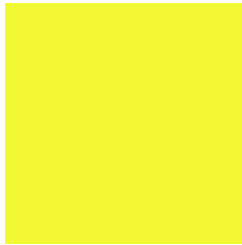
3.7042, 0.1511, 0.0606



0.3531, 0.1537, 0.0620

Previews

White Background



This preview shows how the Yxy color 86.8589, 0.4085, 0.4993 looks on a white background.

Color Contrast Check

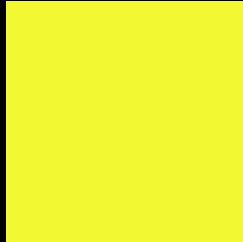
Large Text (above 18pt) WCAG AA × Fail

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 86.8589, 0.4085, 0.4993 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 86.8589, 0.4085, 0.4993

Background



This preview shows how black text looks on a background with the Yxy color 86.8589, 0.4085, 0.4993.



This preview shows how white text looks on a background with the Yxy color 86.8589, 0.4085, 0.4993.

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

86.8589, 0.4085, 0.4993

Protanopia

86.7545, 0.3632, 0.3922

Deuteranopia

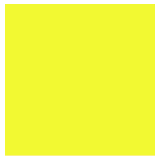
86.6834, 0.3397, 0.3520



Tritanopia

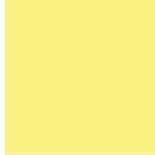
86.3151, 0.3181, 0.3144

Trichromacy



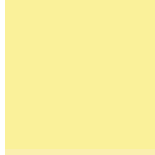
Original Color

86.8589, 0.4085, 0.4993



Protanomaly

86.0639, 0.3861, 0.4397



Deuteranomaly

85.5677, 0.3736, 0.4167



Tritanomaly

85.1916, 0.3605, 0.3931

Monochromacy



Original Color

86.8589, 0.4085, 0.4993



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.8400, 0.3578, 0.4065

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8589, 0.4085, 0.4993 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(242, 249, 50)` looks like.

```
.text, #text, p{  
    color:rgb(242, 249, 50)  
}
```

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(242, 249, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 249, 50) }
```

Border

The CSS property to change the border of an element to Yxy 86.8589, 0.4085, 0.4993 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(242, 249, 50) }
```

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

```
.border{ border-color:rgb(242, 249, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 249, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 249, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 249, 50);  
box-shadow:4px 4px 4px 4px rgb(242, 249,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8589, 0.4085, 0.4993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 249, 50) }
```

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

```
.background{ background-color: rgb(242,  
249, 50) }
```

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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