

Converting Colors

$Yxy(84.2492, 0.4062, 0.4584)$

Have a look what the booklet for
Yxy(84.2492, 0.4062, 0.4584)
contains.

Yxy(84.5395, 0.4059, 0.4587)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(84.5395, 0.4059, 0.4587)

Conversions

Conversions Part 1

Format	Color
Hex	FFF066
RGB	255, 240, 102
RGB Percent	100%, 94%, 40%
CMY	0.0000, 0.0588, 0.5998
CMYK	0.00, 0.06, 0.60, 0.00
HSL	54°, 100%, 70%
HSV	54°, 60%, 100%
XYZ	74.8083, 84.5395, 24.9545
YIQ	228.7530, 53.2380, -39.7380

Conversions

Conversions Part 2

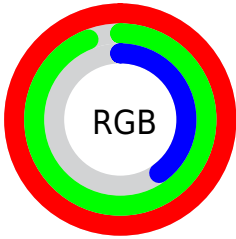
Format	Color
R _Y B	119, 255, 102
Decimal	16773222
CIE Lab	93.68, -11.13, 66.72
CIE LCh	94, 67.640, 99.474
Yxy	84.5395, 0.4059, 0.4587
Android (android.graphics.Color)	4294963302 (0xFFFFF066)
YUV	228.7530, -62.4892, 23.0186
Hunter-Lab	91.9454, -15.6737, 48.2701

Details

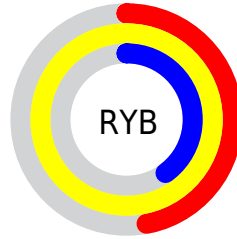
The Yxy color **84.5395, 0.4059, 0.4587** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **22.7800, 0.1992, 0.1518**, and the grayscale version is **78.6029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2486, 0.3700, 0.4238**, and **46.0725, 0.4203, 0.4827** is the 20% darker color. If you saturate the color by 10%, you get **82.6442, 0.4179, 0.4731**, and if you desaturate by 10%, it is **86.6069, 0.3918, 0.4407**.

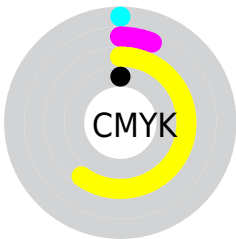
Distribution



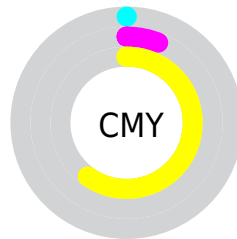
- Red (100%)
- Green (94%)
- Blue (40%)



- Red (47%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (6%)
- Yellow (60%)
- Black (0%)





- Cyan (0%)
- Magenta (6%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.5395, 0.4059, 0.4587 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 84.5395, 0.4059, 0.4587 by changing the saturation by 10% instead.


 84.5395, 0.4059,
0.4587


 84.5395, 0.4059,
0.4587

510.1031, 0.3679,
0.4025


 63.4610, 0.4129,
0.4700


 139.7296, 0.3940,
0.4404

 46.2142, 0.4205,
0.4829


 174.6100, 0.3890,
0.4329

 32.4149, 0.4285,
0.4977

 214.8597, 0.3845,
0.4263

 21.6786, 0.4365,
0.5143

 260.8632, 0.3805,
0.4204

 13.6209, 0.4436,
0.5329

313.0049, 0.3769,
0.4152

 7.8575, 0.4475,
0.5525

371.6692, 0.3736,

 4.0039, 0.4372,

0.4105

0.5628

437.2404, 0.3706,
0.4063

■ 1.6757, 0.4197,
0.5803

■ 0.4079, 0.2213,
0.7787

■ 84.5395, 0.4059,
0.4587

■ 84.5395, 0.4059,
0.4587

■ 82.6442, 0.4179,
0.4731

■ 86.6069, 0.3918,
0.4407

■ 80.9119, 0.4273,
0.4832


■ 88.8650, 0.3764,
0.4199


■ 79.3228, 0.4339,
0.4888

■ 91.3236, 0.3602,
0.3975

■ 77.8481, 0.4380,
0.4904

■ 93.9934, 0.3439,
0.3744

 77.8459, 0.4380,
0.4904

 96.8842, 0.3279,
0.3513

100.0000, 0.3127,
0.3290

Harmonies

Analogous

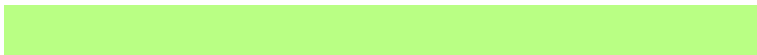
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.5395, 0.4547, 0.4130



84.5395, 0.4059, 0.4587



84.5395, 0.3357, 0.4701

Triad

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



84.5395, 0.4059, 0.4587



84.5395, 0.1817, 0.2716



84.5395, 0.3520, 0.2539

Complementary

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



84.5395, 0.4059, 0.4587



22.7800, 0.1992, 0.1518

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.



84.5395, 0.2744, 0.2224



84.5395, 0.4059, 0.4587



84.5395, 0.1849, 0.2270

Square

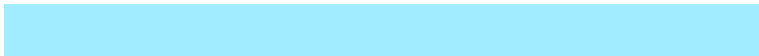
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.5395, 0.4059, 0.4587



84.5395, 0.2080, 0.3454



84.5395, 0.2162, 0.2121



84.5395, 0.4254, 0.3012

Rectangle

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



84.5395, 0.4059, 0.4587



84.5395, 0.2863, 0.4470



84.5395, 0.2162, 0.2121



84.5395, 0.3251, 0.2413

Sweetspot

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



84.5376, 0.4059, 0.4587



94.5492, 0.3406, 0.3698



32.0628, 0.4835, 0.3149



20.0636, 0.3454, 0.3765



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.



84.5376, 0.4059, 0.4587



82.2826, 0.4200, 0.4755



83.9251, 0.3553, 0.4940



20.7681, 0.3272, 0.3502



40.8005, 0.4377, 0.4907



4.0572, 0.4353, 0.4925

Inverse Universe

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



22.7800, 0.1992, 0.1518



15.7880, 0.1780, 0.1157



24.5407, 0.2375, 0.1535



17.6642, 0.2979, 0.3069



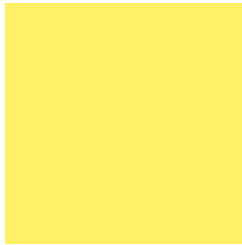
4.2303, 0.1518, 0.0665



0.5031, 0.1554, 0.0793

Previews

White Background



This preview shows how the Yxy color 84.5395, 0.4059, 0.4587 looks on a white background.

Color Contrast Check

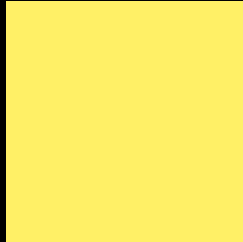
Large Text (above 18pt) WCAG AA × Fail

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 84.5395, 0.4059, 0.4587 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 84.5395, 0.4059, 0.4587

Background



This preview shows how black text looks on a background with the Yxy color 84.5395, 0.4059, 0.4587.



This preview shows how white text looks on a background with the Yxy color 84.5395, 0.4059, 0.4587.

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

84.5395, 0.4059, 0.4587

Protanopia

84.4370, 0.3737, 0.4043

Deuteranopia

84.0919, 0.3443, 0.3541



Tritanopia

84.1449, 0.3235, 0.3192

Trichromacy



Original Color

84.5395, 0.4059, 0.4587



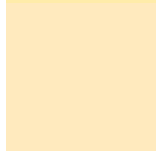
Protanomaly

84.3025, 0.3868, 0.4260



Deuteranomaly

84.1155, 0.3695, 0.3965



Tritanomaly

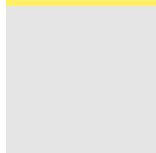
83.8233, 0.3562, 0.3734

Monochromacy



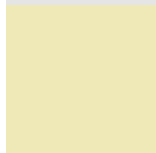
Original Color

84.5395, 0.4059, 0.4587



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

79.8739, 0.3487, 0.3818

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5395, 0.4059, 0.4587 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(255, 240, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 102)  
}
```

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(255, 240, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 102) }
```

Border

The CSS property to change the border of an element to Yxy 84.5395, 0.4059, 0.4587 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(255, 240, 102) }
```

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

```
.border{ border-color:rgb(255, 240, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5395, 0.4059, 0.4587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 102) }
```

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

```
.background{ background-color: rgb(255,  
240, 102) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor