

Converting Colors

$Yxy(86.3647, 0.4033, 0.4596)$

Have a look what the booklet for
Yxy(86.3647, 0.4033, 0.4596)
contains.

Yxy(86.3607, 0.4033, 0.4596)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.3607, 0.4033, 0.4596)

Conversions

Conversions Part 1

Format	Color
Hex	FFF368
RGB	255, 243, 104
RGB Percent	100%, 95%, 41%
CMY	0.0001, 0.0470, 0.5923
CMYK	0.00, 0.05, 0.59, 0.00
HSL	55°, 100%, 70%
HSV	55°, 59%, 100%
XYZ	75.7817, 86.3607, 25.7616
YIQ	230.7420, 51.7710, -40.6850

Conversions

Conversions Part 2

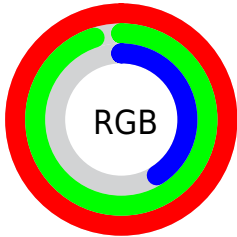
Format	Color
R _Y B	117, 255, 104
Decimal	16773992
CIE Lab	94.47, -12.51, 66.76
CIE LCh	94, 67.922, 100.614
Yxy	86.3607, 0.4033, 0.4596
Android (android.graphics.Color)	4294964072 (0xFFFFF368)
YUV	230.7420, -62.4838, 21.2743
Hunter-Lab	92.9305, -17.0675, 48.6153

Details

The Yxy color **86.3607, 0.4033, 0.4596** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **22.6337, 0.1999, 0.1509**, and the grayscale version is **80.1518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3181, 0.3689, 0.4219**, and **47.3480, 0.4170, 0.4841** is the 20% darker color. If you saturate the color by 10%, you get **84.7204, 0.4149, 0.4745**, and if you desaturate by 10%, it is **88.1790, 0.3896, 0.4411**.

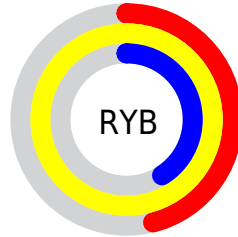
Distribution



Red (100%)

Green (95%)

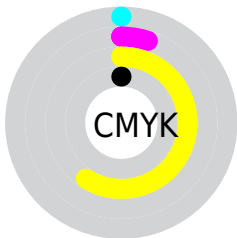
Blue (41%)



Red (46%)

Yellow (100%)

Blue (41%)

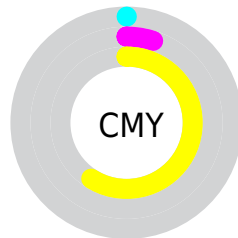


Cyan (0%)

Magenta (5%)

Yellow (59%)

Black (0%)



Cyan (0%)


Magenta (5%)

Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.3607, 0.4033, 0.4596 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 86.3607, 0.4033, 0.4596 by changing the saturation by 10% instead.

 86.3607, 0.4033,
0.4596


 86.3607, 0.4033,
0.4596

516.1198, 0.3666,
0.4029

 64.9663, 0.4100,
0.4710


 142.2727, 0.3919,
0.4411


 47.4337, 0.4172,
0.4841


 177.5591, 0.3871,
0.4335

 33.3787, 0.4249,
0.4992


 218.2450, 0.3827,
0.4269

 22.4167, 0.4324,
0.5162

 264.7147, 0.3788,
0.4210

 14.1634, 0.4388,
0.5351

317.3526, 0.3753,
0.4157

 8.2344, 0.4431,
0.5569

376.5432, 0.3721,

 4.2453, 0.4319,

0.4110

0.5681

442.6708, 0.3692,
0.4068

■ 1.8117, 0.4131,
0.5869

■ 0.4945, 0.2497,
0.7503

■ 86.3607, 0.4033,
0.4596

■ 86.3607, 0.4033,
0.4596

■ 84.7204, 0.4149,
0.4745

■ 88.1790, 0.3896,
0.4411

■ 83.2312, 0.4239,
0.4851


■ 90.1759, 0.3745,
0.4199


■ 81.8798, 0.4302,
0.4912

■ 92.3671, 0.3586,
0.3970

■ 80.6401, 0.4340,
0.4933

■ 94.7631, 0.3425,
0.3735

 80.5463, 0.4342,
0.4934

 97.3735, 0.3267,
0.3500

99.9957, 0.3127,
0.3290

Harmonies

Analogous

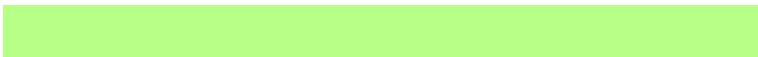
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3607, 0.4531, 0.4149



86.3607, 0.4033, 0.4596



86.3607, 0.3328, 0.4691

Triad

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



86.3607, 0.4033, 0.4596



86.3607, 0.1816, 0.2695



86.3607, 0.3549, 0.2557

Complementary

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



86.3607, 0.4033, 0.4596



22.6337, 0.1999, 0.1509

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.



86.3607, 0.2772, 0.2235



86.3607, 0.4033, 0.4596



86.3607, 0.1859, 0.2262

Square

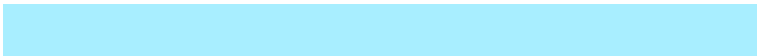
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.3607, 0.4033, 0.4596



86.3607, 0.2068, 0.3422



86.3607, 0.2182, 0.2123



86.3607, 0.4273, 0.3033

Rectangle

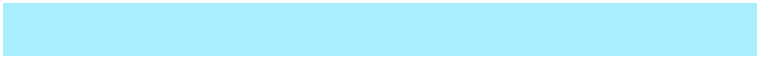
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.3607, 0.4033, 0.4596



86.3607, 0.2837, 0.4445



86.3607, 0.2182, 0.2123



86.3607, 0.3281, 0.2429

Sweetspot

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



86.3647, 0.4033, 0.4596



95.0905, 0.3405, 0.3706



32.4232, 0.4833, 0.3175



20.1977, 0.3452, 0.3775



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

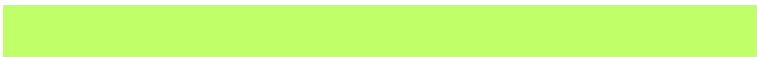
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.3647, 0.4033, 0.4596



84.4623, 0.4167, 0.4767



83.7181, 0.3534, 0.4930



20.8299, 0.3271, 0.3507



42.1989, 0.4339, 0.4937



4.1788, 0.4321, 0.4951

Inverse Universe

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



22.6337, 0.1999, 0.1509



15.7013, 0.1787, 0.1151



25.3155, 0.2407, 0.1566



17.6088, 0.2978, 0.3064



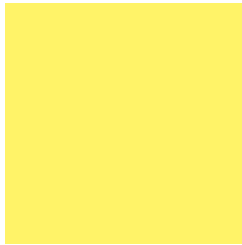
4.1185, 0.1514, 0.0649



0.4769, 0.1544, 0.0757

Previews

White Background



This preview shows how the Yxy color 86.3607, 0.4033, 0.4596 looks on a white background.

Color Contrast Check

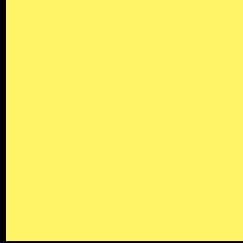
Large Text (above 18pt) WCAG AA × Fail

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 86.3607, 0.4033, 0.4596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

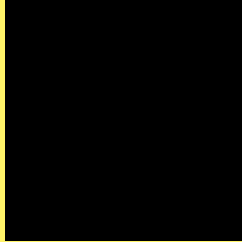
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.3607, 0.4033, 0.4596

Background



This preview shows how black text looks on a background with the Yxy color 86.3607, 0.4033, 0.4596.

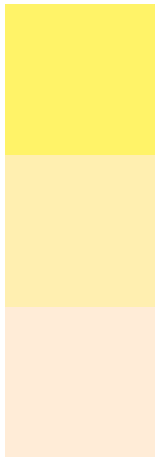


This preview shows how white text looks on a background with the Yxy color 86.3607, 0.4033, 0.4596.

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

86.3607, 0.4033, 0.4596

Protanopia

86.1276, 0.3641, 0.3923

Deuteranopia

86.1572, 0.3392, 0.3500



Tritanopia

86.0089, 0.3213, 0.3193

Trichromacy



Original Color

86.3607, 0.4033, 0.4596



Protanomaly

85.7822, 0.3800, 0.4185



Deuteranomaly

86.0881, 0.3648, 0.3933



Tritanomaly

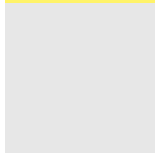
85.6341, 0.3542, 0.3743

Monochromacy



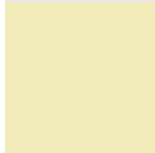
Original Color

86.3607, 0.4033, 0.4596



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

81.4447, 0.3484, 0.3814

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.3607, 0.4033, 0.4596 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, 243, 104)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 104)  
}
```

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, 243, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 104) }
```

Border

The CSS property to change the border of an element to Yxy 86.3607, 0.4033, 0.4596 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, 243, 104) }
```

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

```
.border{ border-color:rgb(255, 243, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 243, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 104);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 86.3607, 0.4033, 0.4596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 104) }
```

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

```
.background{ background-color: rgb(255,  
243, 104) }
```

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