

Converting Colors

$Y_{xy}(111.0798, 0.4658, 0.4236)$

Have a look what the booklet for
Yxy(111.0798, 0.4658, 0.4236)
contains.

Yxy(87.6264, 0.4008, 0.4589)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.6264, 0.4008, 0.4589)

Conversions

Conversions Part 1

Format	Color
Hex	FFF56B
RGB	255, 245, 107
RGB Percent	100%, 96%, 42%
CMY	0.0002, 0.0391, 0.5804
CMYK	0.00, 0.04, 0.58, 0.00
HSL	56°, 100%, 71%
HSV	56°, 58%, 100%
XYZ	76.5323, 87.6264, 26.7901
YIQ	232.2580, 50.2580, -40.7980

Conversions

Conversions Part 2

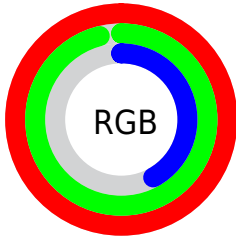
Format	Color
R_{YB}	118, 255, 107
Decimal	16774507
CIE Lab	95.00, -13.30, 66.06
CIE LCh	95, 67.386, 101.383
Yxy	87.6264, 0.4008, 0.4589
Android (android.graphics.Color)	4294964587 (0xFFFFF56B)
YUV	232.2580, -61.7522, 19.9447
Hunter-Lab	93.6090, -17.8787, 48.5580

Details

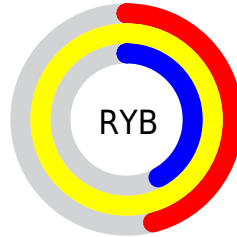
The Yxy color **87.6264, 0.4008, 0.4589** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **23.0491, 0.2018, 0.1527**, and the grayscale version is **81.3410, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4243, 0.3672, 0.4191**, and **48.2276, 0.4142, 0.4839** is the 20% darker color. If you saturate the color by 10%, you get **86.1403, 0.4123, 0.4744**, and if you desaturate by 10%, it is **89.2883, 0.3872, 0.4399**.

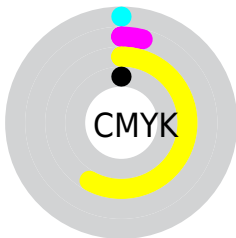
Distribution



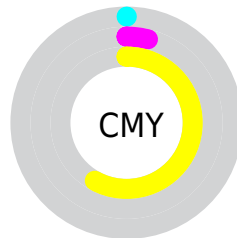
- Red (100%)
- Green (96%)
- Blue (42%)



- Red (46%)
- Yellow (100%)
- Blue (42%)



- Cyan (0%)
- Magenta (4%)
- Yellow (58%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.6264, 0.4008, 0.4589 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 87.6264, 0.4008, 0.4589 by changing the saturation by 10% instead.


 87.6264, 0.4008,
0.4589


 87.6264, 0.4008,
0.4589


520.2790, 0.3652,
0.4025

 66.0137, 0.4073,
0.4703


 144.0369, 0.3897,
0.4404

 48.2835, 0.4144,
0.4835


 179.6035, 0.3850,
0.4329

 34.0515, 0.4219,
0.4987


 220.5902, 0.3808,
0.4263

 22.9331, 0.4292,
0.5160

 267.3814, 0.3770,
0.4204

 14.5441, 0.4353,
0.5351

320.3615, 0.3736,
0.4152

 8.5001, 0.4408,
0.5592


379.9149, 0.3705,


 4.4166, 0.4291,

0.4105


446.4259, 0.3677,
0.4063


0.5709


 1.9092, 0.4097,
0.5903


 0.5539, 0.2670,
0.7330


 87.6264, 0.4008,
0.4589


 87.6264, 0.4008,
0.4589


 86.1403, 0.4123,
0.4744


 89.2883, 0.3872,
0.4399


 84.8035, 0.4213,
0.4857


 91.1265, 0.3722,
0.4182

 83.6031, 0.4276,
0.4925

 93.1565, 0.3564,
0.3950

 82.5159, 0.4312,
0.4951

 95.3885, 0.3405,
0.3712

 82.3086, 0.4318,
0.4953

 97.8323, 0.3248,
0.3475

99.9901, 0.3127,
0.3290

Harmonies

Analogous

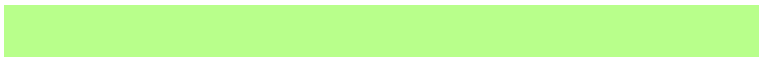
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6264, 0.4506, 0.4155



87.6264, 0.4008, 0.4589



87.6264, 0.3309, 0.4667

Triad

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



87.6264, 0.4008, 0.4589



87.6264, 0.1828, 0.2688



87.6264, 0.3565, 0.2575

Complementary

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



87.6264, 0.4008, 0.4589



23.0491, 0.2018, 0.1527

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.



87.6264, 0.2795, 0.2252



87.6264, 0.4008, 0.4589



87.6264, 0.1877, 0.2267

Square

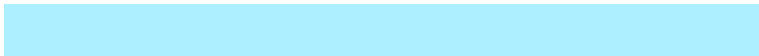
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.6264, 0.4008, 0.4589



87.6264, 0.2070, 0.3401



87.6264, 0.2204, 0.2136



87.6264, 0.4274, 0.3050

Rectangle

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



87.6264, 0.4008, 0.4589



87.6264, 0.2824, 0.4414



87.6264, 0.2204, 0.2136



87.6264, 0.3300, 0.2447

Sweetspot

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



87.6305, 0.4008, 0.4589



95.6743, 0.3388, 0.3687



33.1065, 0.4779, 0.3175



20.3777, 0.3420, 0.3735



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.



87.6305, 0.4008, 0.4589



85.9049, 0.4143, 0.4770



83.9261, 0.3530, 0.4899



20.8697, 0.3271, 0.3509



43.1168, 0.4316, 0.4955



4.2584, 0.4300, 0.4967

Inverse Universe

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



23.0491, 0.2018, 0.1527



15.8348, 0.1798, 0.1157



26.1292, 0.2425, 0.1601



17.5733, 0.2978, 0.3061



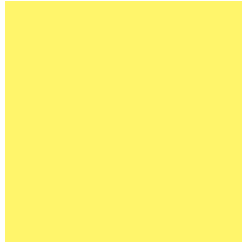
4.0561, 0.1511, 0.0640



0.4602, 0.1537, 0.0733

Previews

White Background



This preview shows how the Yxy color 87.6264, 0.4008, 0.4589 looks on a white background.

Color Contrast Check

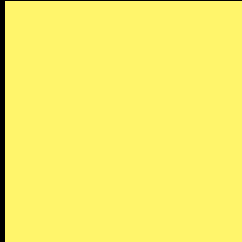
Large Text (above 18pt) WCAG AA × Fail

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 87.6264, 0.4008, 0.4589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

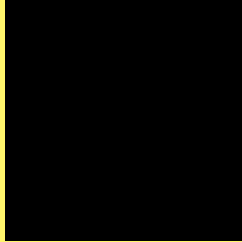
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.6264, 0.4008, 0.4589

Background



This preview shows how black text looks on a background with the Yxy color 87.6264, 0.4008, 0.4589.

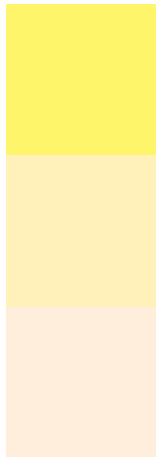


This preview shows how white text looks on a background with the Yxy color 87.6264, 0.4008, 0.4589.

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

87.6264, 0.4008, 0.4589

Protanopia

87.6734, 0.3578, 0.3851

Deuteranopia

87.5235, 0.3363, 0.3479



Tritanopia

87.2083, 0.3205, 0.3203

Trichromacy



Original Color

87.6264, 0.4008, 0.4589



Protanomaly

87.1986, 0.3751, 0.4136



Deuteranomaly

87.3849, 0.3623, 0.3921



Tritanomaly

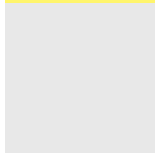
86.8880, 0.3524, 0.3741

Monochromacy



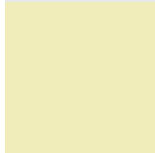
Original Color

87.6264, 0.4008, 0.4589



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.6815, 0.3467, 0.3812

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6264, 0.4008, 0.4589 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, 245, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 107)  
}
```

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, 245, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 107) }
```

Border

The CSS property to change the border of an element to Yxy 87.6264, 0.4008, 0.4589 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, 245, 107) }
```

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

```
.border{ border-color:rgb(255, 245, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 245, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6264, 0.4008, 0.4589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 107) }
```

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

```
.background{ background-color: rgb(255,  
245, 107) }
```

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