

Converting Colors

$Yxy(86.8124, 0.3886, 0.4544)$

Have a look what the booklet for
Yxy(86.8124, 0.3886, 0.4544)
contains.

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Color

Yxy(86.8124, 0.3886, 0.4544)

Conversions

Conversions Part 1

Format	Color
Hex	F6F676
RGB	246, 246, 118
RGB Percent	96%, 96%, 46%
CMY	0.0352, 0.0353, 0.5371
CMYK	0.00, 0.00, 0.52, 0.04
HSL	60°, 88%, 71%
HSV	60°, 52%, 96%
XYZ	74.2414, 86.8124, 29.9946
YIQ	231.4080, 41.0880, -39.8080

Conversions

Conversions Part 2

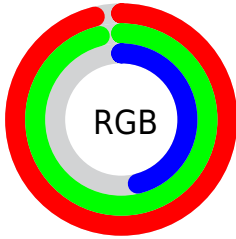
Format	Color
R _Y B	118, 246, 118
Decimal	16184950
CIE Lab	94.66, -16.50, 60.66
CIE LCh	95, 62.861, 105.219
Yxy	86.8124, 0.3886, 0.4544
Android (android.graphics.Color)	4294375030 (0xFFFF6F676)
YUV	231.4080, -55.9101, 12.7972
Hunter-Lab	93.1732, -20.8223, 46.1344

Details

The Yxy color **86.8124, 0.3886, 0.4544** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **23.4844, 0.2122, 0.1628**, and the grayscale version is **80.6410, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7971, 0.3614, 0.4095**, and **47.7619, 0.4001, 0.4797** is the 20% darker color. If you saturate the color by 10%, you get **86.3016, 0.3997, 0.4728**, and if you desaturate by 10%, it is **87.4837, 0.3755, 0.4328**.

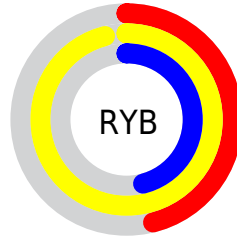
Distribution



Red (96%)

Green (96%)

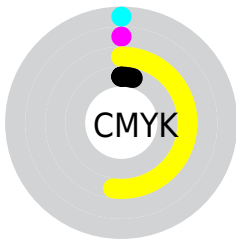
Blue (46%)



Red (46%)

Yellow (96%)

Blue (46%)

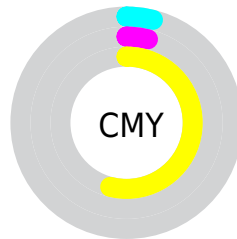


Cyan (0%)

Magenta (0%)

Yellow (52%)

Black (4%)



Cyan (4%)


Magenta (4%)


Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8124, 0.3886, 0.4544 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 86.8124, 0.3886, 0.4544 by changing the saturation by 10% instead.

 86.8124, 0.3886,
0.4544


 86.8124, 0.3886,
0.4544


517.6062, 0.3577,
0.3988


 65.3400, 0.3943,
0.4660

 142.9026, 0.3789,
0.4359

 47.7368, 0.4006,
0.4797


 178.2892, 0.3749,
0.4284

 33.6185, 0.4073,
0.4959


 219.0826, 0.3712,
0.4219

 22.6007, 0.4141,
0.5149

265.6673, 0.3679,
0.4162

 14.2989, 0.4197,
0.5370

318.4276, 0.3650,
0.4111

 8.3289, 0.4289,
0.5711

377.7479, 0.3623,

 4.3061, 0.4140,

0.4065

0.5860

444.0127, 0.3599,
0.4024

■ 1.8462, 0.3891,
0.6109

■ 0.5157, 0.1448,
0.8552

■ 86.8124, 0.3886,
0.4544

■ 86.8124, 0.3886,
0.4544

■ 86.3016, 0.3997,
0.4728

■ 87.4837, 0.3755,
0.4328

■ 85.9272, 0.4085,
0.4872


■ 88.3144, 0.3611,
0.4090

■ 85.6793, 0.4146,
0.4973

■ 89.3183, 0.3460,
0.3840

■ 85.5410, 0.4181,
0.5031

■ 90.5044, 0.3307,
0.3587

 85.4887, 0.4194,
0.5052

 91.8812, 0.3157,
0.3339

 92.7509, 0.3074,
0.3203

 92.7548, 0.3074,
0.3203

 92.7587, 0.3074,
0.3203

 92.7626, 0.3074,
0.3203

Harmonies

Analogous

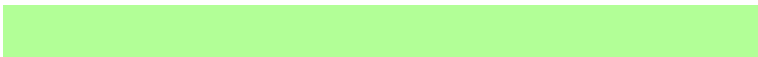
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8124, 0.4384, 0.4177



86.8124, 0.3886, 0.4544



86.8124, 0.3216, 0.4543

Triad

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



86.8124, 0.3886, 0.4544



86.8124, 0.1890, 0.2663



86.8124, 0.3633, 0.2667

Complementary

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



86.8124, 0.3886, 0.4544



23.4844, 0.2122, 0.1628

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.



86.8124, 0.2904, 0.2337



86.8124, 0.3886, 0.4544



86.8124, 0.1970, 0.2297

Square

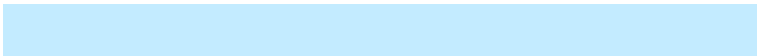
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.8124, 0.3886, 0.4544



86.8124, 0.2087, 0.3302



86.8124, 0.2316, 0.2200



86.8124, 0.4265, 0.3134

Rectangle

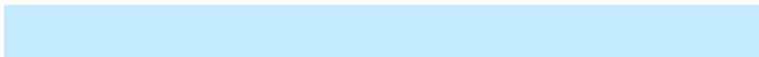
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.8124, 0.3886, 0.4544



86.8124, 0.2765, 0.4263



86.8124, 0.2316, 0.2200



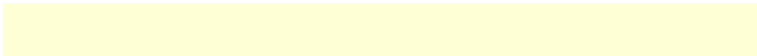
86.8124, 0.3387, 0.2539

Sweetspot

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



86.8164, 0.3886, 0.4544



97.6385, 0.3368, 0.3689



33.9249, 0.4620, 0.3272



20.8419, 0.3400, 0.3741



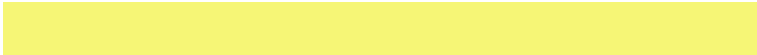
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



86.8164, 0.3886, 0.4544



93.6149, 0.3998, 0.4730



77.4497, 0.3446, 0.4762



19.3128, 0.3269, 0.3524



45.6185, 0.4194, 0.5052



4.0097, 0.4194, 0.5052

Inverse Universe

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



23.4844, 0.2122, 0.1628



18.2944, 0.1915, 0.1286



29.3136, 0.2589, 0.1811



15.9275, 0.2979, 0.3045



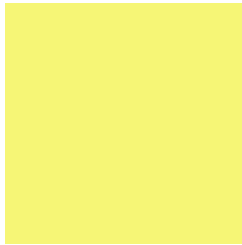
3.5526, 0.1500, 0.0600



0.3125, 0.1500, 0.0601

Previews

White Background



This preview shows how the Yxy color 86.8124, 0.3886, 0.4544 looks on a white background.

Color Contrast Check

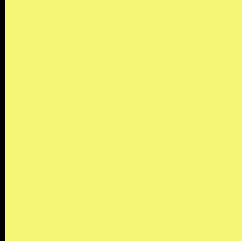
Large Text (above 18pt) WCAG AA × Fail

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 86.8124, 0.3886, 0.4544 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 86.8124, 0.3886, 0.4544

Background



This preview shows how black text looks on a background with the Yxy color 86.8124, 0.3886, 0.4544.

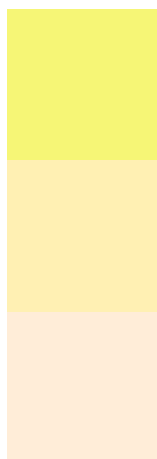


This preview shows how white text looks on a background with the Yxy color 86.8124, 0.3886, 0.4544.

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

86.8124, 0.3886, 0.4544

Protanopia

86.8348, 0.3619, 0.3902

Deuteranopia

86.7862, 0.3384, 0.3499



Tritanopia

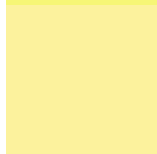
86.8210, 0.3187, 0.3164

Trichromacy



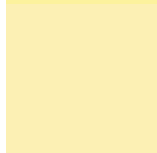
Original Color

86.8124, 0.3886, 0.4544



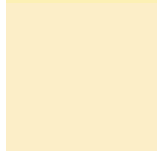
Protanomaly

86.6340, 0.3729, 0.4143



Deuteranomaly

86.3109, 0.3591, 0.3897



Tritanomaly

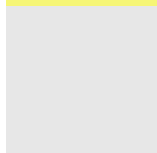
86.0146, 0.3466, 0.3674

Monochromacy



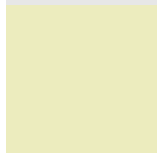
Original Color

86.8124, 0.3886, 0.4544



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

81.5415, 0.3421, 0.3775

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8124, 0.3886, 0.4544 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(246, 246, 118)` looks like.

```
.text, #text, p{  
    color:rgb(246, 246, 118)  
}
```

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(246, 246, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 246, 118) }
```

Border

The CSS property to change the border of an element to Yxy 86.8124, 0.3886, 0.4544 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(246, 246, 118) }
```

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

```
.border{ border-color:rgb(246, 246, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 246, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 246, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 246, 118);  
box-shadow:4px 4px 4px 4px rgb(246, 246,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8124, 0.3886, 0.4544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 246, 118) }
```

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

```
.background{ background-color: rgb(246,  
246, 118) }
```

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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