

Converting Colors

Yxy(87.0417, 0.4049, 0.4864)

Have a look what the booklet for
Yxy(87.0417, 0.4049, 0.4864)
contains.

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Color

Yxy(87.0417, 0.4049, 0.4864)

Conversions

Conversions Part 1

Format	Color
Hex	F5F84A
RGB	245, 248, 74
RGB Percent	96%, 97%, 29%
CMY	0.0392, 0.0274, 0.7100
CMYK	0.01, 0.00, 0.70, 0.03
HSL	61°, 93%, 63%
HSV	61°, 70%, 97%
XYZ	72.4572, 87.0417, 19.4520
YIQ	227.2670, 54.0660, -54.7500

Conversions

Conversions Part 2

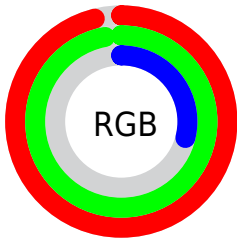
Format	Color
RYB	74, 248, 77
Decimal	16119882
CIELab	94.76, -20.64, 78.32
CIELCh	95, 80.991, 104.764
Yxy	87.0417, 0.4049, 0.4864
Android (android.graphics.Color)	4294309962 (0xFFFF5F84A)
YUV	227.2670, -75.5606, 15.5518
Hunter-Lab	93.2961, -24.6386, 52.9455

Details

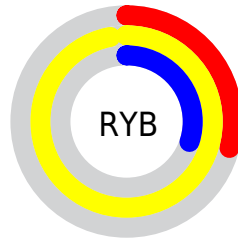
The Yxy color **87.0417, 0.4049, 0.4864** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **13.2465, 0.1783, 0.1052**, and the grayscale version is **77.5508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4735, 0.3834, 0.4459**, and **48.0136, 0.4130, 0.5103** is the 20% darker color. If you saturate the color by 10%, you get **86.6978, 0.4112, 0.4977**, and if you desaturate by 10%, it is **87.5255, 0.3960, 0.4708**.

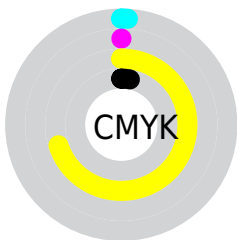
Distribution



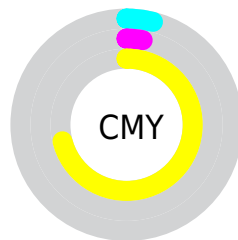
- Red (96%)
- Green (97%)
- Blue (29%)



- Red (29%)
- Yellow (97%)
- Blue (30%)



- Cyan (1%)
- Magenta (0%)
- Yellow (70%)
- Black (3%)





- Cyan (4%)
- Magenta (3%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.0417, 0.4049, 0.4864 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 87.0417, 0.4049, 0.4864 by changing the saturation by 10% instead.

 87.0417, 0.4049,
0.4864


 87.0417, 0.4049,
0.4864


518.3599, 0.3701,
0.4187


 65.5297, 0.4103,
0.4996


 143.2223, 0.3948,
0.4646


 47.8907, 0.4157,
0.5145

 178.6596, 0.3903,
0.4556


 33.7404, 0.4203,
0.5312


 219.5076, 0.3862,
0.4476

 22.6942, 0.4232,
0.5494

 266.1505, 0.3824,
0.4405

 14.3679, 0.4263,
0.5737

 318.9728, 0.3789,
0.4342

 8.3770, 0.4138,
0.5862

378.3589, 0.3757,

 4.3371, 0.3951,

0.4285

0.6049

444.6931, 0.3728,
0.4233

■ 1.8639, 0.3639,
0.6361

■ 0.5265, 0.0000,
1.0000

■ 87.0417, 0.4049,
0.4864

■ 87.0417, 0.4049,
0.4864

■ 86.6978, 0.4112,
0.4977

■ 87.5255, 0.3960,
0.4708


■ 86.4652, 0.4148,
0.5045


■ 88.1509, 0.3848,
0.4514


■ 86.3223, 0.4163,
0.5077

■ 88.9340, 0.3718,
0.4291

■ 89.8857, 0.3575,
0.4048

 91.0159, 0.3426,
0.3795

 92.3336, 0.3276,
0.3542

 93.8473, 0.3130,
0.3294

 94.3956, 0.3089,
0.3222

 94.4744, 0.3092,
0.3222

Harmonies

Analogous

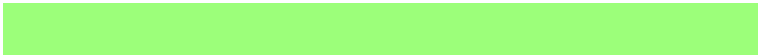
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0417, 0.4694, 0.4333



87.0417, 0.4049, 0.4864



87.0417, 0.3211, 0.4949

Triad

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



87.0417, 0.4049, 0.4864



87.0417, 0.1604, 0.2480



87.0417, 0.3751, 0.2505

Complementary

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



87.0417, 0.4049, 0.4864



13.2465, 0.1783, 0.1052

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.



87.0417, 0.2818, 0.2113



87.0417, 0.4049, 0.4864



87.0417, 0.1700, 0.2051

Square

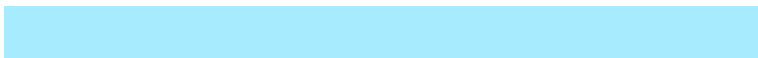
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.0417, 0.4049, 0.4864



87.0417, 0.1828, 0.3293



87.0417, 0.2103, 0.1948



87.0417, 0.4582, 0.3056

Rectangle

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



87.0417, 0.4049, 0.4864



87.0417, 0.2651, 0.4597



87.0417, 0.2103, 0.1948



87.0417, 0.3431, 0.2352

Sweetspot

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



87.0457, 0.4049, 0.4864



96.8428, 0.3439, 0.3817



25.7401, 0.5494, 0.3320



20.6539, 0.3480, 0.3887



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.



87.0457, 0.4049, 0.4864



92.2420, 0.4129, 0.5009



74.9117, 0.3441, 0.5269



20.1745, 0.3266, 0.3524



46.6344, 0.4163, 0.5076



4.3239, 0.4167, 0.5073

Inverse Universe

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



13.2465, 0.1783, 0.1052



9.3389, 0.1597, 0.0750



19.5501, 0.2392, 0.1348



16.6573, 0.2981, 0.3045



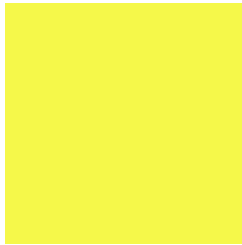
3.6822, 0.1505, 0.0603



0.3459, 0.1518, 0.0610

Previews

White Background



This preview shows how the Yxy color 87.0417, 0.4049, 0.4864 looks on a white background.

Color Contrast Check

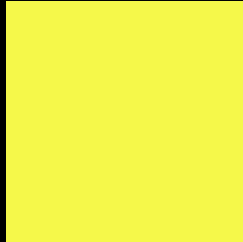
Large Text (above 18pt) WCAG AA × Fail

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 87.0417, 0.4049, 0.4864 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 87.0417, 0.4049, 0.4864

Background



This preview shows how black text looks on a background with the Yxy color 87.0417, 0.4049, 0.4864.



This preview shows how white text looks on a background with the Yxy color 87.0417, 0.4049, 0.4864.

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

87.0417, 0.4049, 0.4864

Protanopia

86.8348, 0.3619, 0.3902

Deuteranopia

86.7862, 0.3384, 0.3499



Tritanopia

86.8210, 0.3187, 0.3164

Trichromacy



Original Color

87.0417, 0.4049, 0.4864



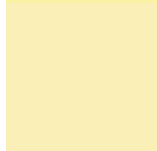
Protanomaly

86.5335, 0.3812, 0.4304



Deuteranomaly

86.1002, 0.3682, 0.4068



Tritanomaly

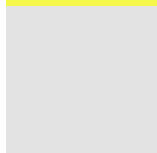
85.7029, 0.3561, 0.3848

Monochromacy



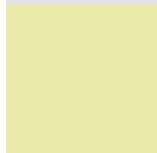
Original Color

87.0417, 0.4049, 0.4864



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.8494, 0.3531, 0.3972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.0417, 0.4049, 0.4864 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(245, 248, 74)` looks like.

```
.text, #text, p{  
    color:rgb(245, 248, 74)  
}
```

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(245, 248, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 248, 74) }
```

Border

The CSS property to change the border of an element to Yxy 87.0417, 0.4049, 0.4864 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(245, 248, 74) }
```

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

```
.border{ border-color:rgb(245, 248, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 248, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 248, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 248, 74);  
box-shadow:4px 4px 4px 4px rgb(245, 248,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 87.0417, 0.4049, 0.4864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 248, 74) }
```

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

```
.background{ background-color: rgb(245,  
248, 74) }
```

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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