

Converting Colors

Yxy(84.9774, 0.4367, 0.4603)

Have a look what the booklet for
Yxy(84.9774, 0.4367, 0.4603)
contains.

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Color

Yxy(80.6274, 0.4204, 0.4709)

Conversions

Conversions Part 1

Format	Color
Hex	FFEA4C
RGB	255, 234, 76
RGB Percent	100%, 92%, 30%
CMY	0.0000, 0.0824, 0.7018
CMYK	0.00, 0.08, 0.70, 0.00
HSL	53°, 100%, 65%
HSV	53°, 70%, 100%
XYZ	71.9808, 80.6274, 18.6116
YIQ	222.2670, 63.2340, -44.6860

Conversions

Conversions Part 2

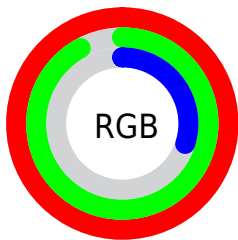
Format	Color
RYB	100, 255, 76
Decimal	16771660
CIELab	91.97, -9.62, 75.15
CIElCh	92, 75.765, 97.292
Yxy	80.6274, 0.4204, 0.4709
Android (android.graphics.Color)	4294961740 (0xFFFFEA4C)
YUV	222.2670, -72.1096, 28.7068
Hunter-Lab	89.7928, -14.0459, 50.5657

Details

The Yxy color **80.6274, 0.4204, 0.4709** 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 **17.3154, 0.1818, 0.1244**, and the grayscale version is **73.7299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4735, 0.3834, 0.4459**, and **43.7095, 0.4336, 0.4939** is the 20% darker color. If you saturate the color by 10%, you get **78.6451, 0.4303, 0.4807**, and if you desaturate by 10%, it is **82.7693, 0.4078, 0.4568**.

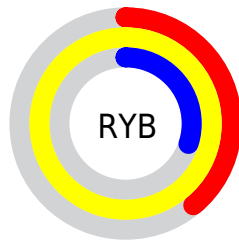
Distribution



Red (100%)

Green (92%)

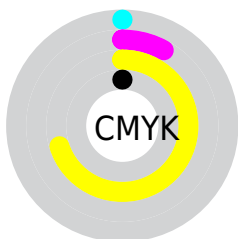
Blue (30%)



Red (39%)

Yellow (100%)

Blue (30%)

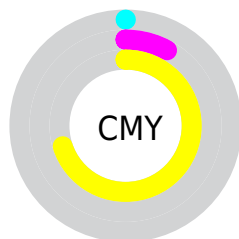


Cyan (0%)

Magenta (8%)

Yellow (70%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.6274, 0.4204, 0.4709 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 80.6274, 0.4204, 0.4709 by changing the saturation by 10% instead.

 80.6274, 0.4204,
0.4709


 80.6274, 0.4204,
0.4709


497.0447, 0.3773,
0.4107

 60.2348, 0.4278,
0.4823


 134.2475, 0.4073,
0.4517


 43.6079, 0.4357,
0.4951


 168.2437, 0.4016,
0.4437


 30.3624, 0.4435,
0.5090


 207.5433, 0.3965,
0.4366

 20.1138, 0.4502,
0.5235

 252.5305, 0.3919,
0.4303

 12.4778, 0.4580,
0.5420

 303.5899, 0.3877,
0.4246

 7.0700, 0.4517,
0.5483

361.1058, 0.3839,

 3.5059, 0.4421,

0.4195

0.5579

425.4626, 0.3804,
0.4149

■ 1.4012, 0.4255,
0.5745

■ 0.2176, 0.0000,
1.0000

■ 80.6274, 0.4204,
0.4709

■ 80.6274, 0.4204,
0.4709

■ 78.6451, 0.4303,
0.4807

■ 82.7693, 0.4078,
0.4568

■ 76.8191, 0.4375,
0.4859

■ 85.1002, 0.3933,
0.4391

■ 75.1454, 0.4421,
0.4872

■ 87.6285, 0.3774,
0.4187

■ 90.3658, 0.3609,
0.3966

■ 93.3229, 0.3444,
0.3739

■ 96.5096, 0.3283,
0.3513

99.9352, 0.3130,
0.3294

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.



80.6274, 0.4742, 0.4156



80.6274, 0.4204, 0.4709



80.6274, 0.3424, 0.4920

Triad

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



80.6274, 0.4204, 0.4709



80.6274, 0.1678, 0.2676



80.6274, 0.3499, 0.2419

Complementary

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



80.6274, 0.4204, 0.4709



17.3154, 0.1818, 0.1244

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.



80.6274, 0.2633, 0.2089



80.6274, 0.4204, 0.4709



80.6274, 0.1695, 0.2167

Square

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



80.6274, 0.4204, 0.4709



80.6274, 0.1982, 0.3538



80.6274, 0.2012, 0.1991



80.6274, 0.4357, 0.2926

Rectangle

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



80.6274, 0.4204, 0.4709



80.6274, 0.2871, 0.4700



80.6274, 0.2012, 0.1991



80.6274, 0.3194, 0.2286

Sweetspot

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



80.6225, 0.4204, 0.4709



93.0727, 0.3457, 0.3758



27.3517, 0.5220, 0.3096



19.7429, 0.3502, 0.3821



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.



80.6225, 0.4204, 0.4709



77.9313, 0.4334, 0.4833



82.9097, 0.3615, 0.5155



20.7051, 0.3272, 0.3498



39.4098, 0.4416, 0.4875



3.9358, 0.4387, 0.4898

Inverse Universe

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



17.3154, 0.1818, 0.1244



11.5774, 0.1630, 0.0903



18.1139, 0.2169, 0.1238



17.7210, 0.2979, 0.3073



4.3638, 0.1523, 0.0683



0.5298, 0.1564, 0.0829

Previews

White Background



This preview shows how the Yxy color 80.6274, 0.4204, 0.4709 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 80.6274, 0.4204, 0.4709 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 80.6274, 0.4204, 0.4709

Background



This preview shows how black text looks on a background with the Yxy color 80.6274, 0.4204, 0.4709.



This preview shows how white text looks on a background with the Yxy color 80.6274, 0.4204, 0.4709.

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

80.6274, 0.4204, 0.4709

Protanopia

80.4033, 0.3994, 0.4359

Deuteranopia

80.5971, 0.3556, 0.3646



Tritanopia

80.5118, 0.3280, 0.3191

Trichromacy



Original Color

80.6274, 0.4204, 0.4709



Protanomaly

80.5784, 0.4079, 0.4504



Deuteranomaly

80.0556, 0.3839, 0.4096



Tritanomaly

79.9211, 0.3666, 0.3809

Monochromacy



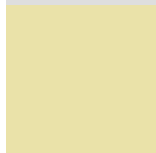
Original Color

80.6274, 0.4204, 0.4709



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

74.7497, 0.3568, 0.3905

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.6274, 0.4204, 0.4709 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, 234, 76)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 76)  
}
```

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, 234, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 76) }
```

Border

The CSS property to change the border of an element to Yxy 80.6274, 0.4204, 0.4709 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, 234, 76) }
```

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

```
.border{ border-color:rgb(255, 234, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 76);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 80.6274, 0.4204, 0.4709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 76) }
```

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

```
.background{ background-color: rgb(255,  
234, 76) }
```

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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