

Converting Colors

$Y_{xy}(84.1043, 0.4162, 0.4749)$

Have a look what the booklet for
Yxy(84.1043, 0.4162, 0.4749)
contains.

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Color

Yxy(84.1160, 0.4161, 0.4746)

Conversions

Conversions Part 1

Format	Color
Hex	FFF04D
RGB	255, 240, 77
RGB Percent	100%, 94%, 30%
CMY	0.0000, 0.0588, 0.6980
CMYK	0.00, 0.06, 0.70, 0.00
HSL	55°, 100%, 65%
HSV	55°, 70%, 100%
XYZ	73.7477, 84.1160, 19.3718
YIQ	225.9030, 61.2630, -47.5130

Conversions

Conversions Part 2

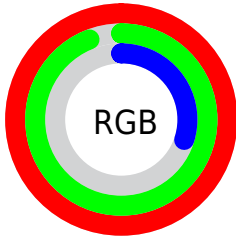
Format	Color
R _Y B	93, 255, 77
Decimal	16773197
CIE Lab	93.50, -12.53, 76.31
CIE LCh	94, 77.331, 99.328
Yxy	84.1160, 0.4161, 0.4746
Android (android.graphics.Color)	4294963277 (0xFFFFF04D)
YUV	225.9030, -73.4092, 25.5181
Hunter-Lab	91.7148, -16.9693, 51.6772

Details

The Yxy color **84.1160, 0.4161, 0.4746** 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 **16.4556, 0.1809, 0.1194**, and the grayscale version is **76.4866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5293, 0.3824, 0.4443**, and **45.8831, 0.4296, 0.4971** is the 20% darker color. If you saturate the color by 10%, you get **82.5642, 0.4251, 0.4849**, and if you desaturate by 10%, it is **85.8212, 0.4045, 0.4600**.

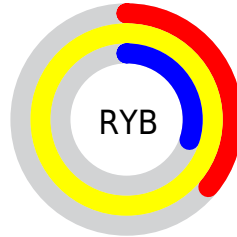
Distribution



Red (100%)

Green (94%)

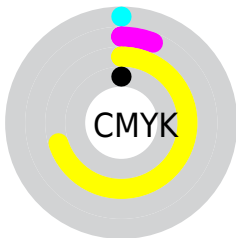
Blue (30%)



Red (36%)

Yellow (100%)

Blue (30%)

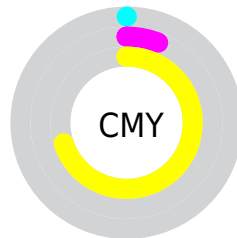


Cyan (0%)

Magenta (6%)

Yellow (70%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.1160, 0.4161, 0.4746 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 84.1160, 0.4161, 0.4746 by changing the saturation by 10% instead.


 84.1160, 0.4161,
0.4746

 84.1160, 0.4161,
0.4746


508.6984, 0.3754,
0.4128


 63.1112, 0.4230,
0.4864

 139.1374, 0.4039,
0.4549


 45.9312, 0.4301,
0.4996


 173.9229, 0.3985,
0.4467


 32.1915, 0.4370,
0.5142


 214.0706, 0.3937,
0.4394

 21.5078, 0.4428,
0.5296

 259.9651, 0.3893,
0.4329

 13.4957, 0.4499,
0.5501

 311.9908, 0.3854,
0.4271

 7.7708, 0.4422,
0.5578

370.5319, 0.3818,

 3.9486, 0.4304,

0.4218

0.5696

435.9730, 0.3785,
0.4171

■ 1.6449, 0.4104,
0.5896

■ 0.3876, 0.1386,
0.8614

■ 84.1160, 0.4161,
0.4746

■ 84.1160, 0.4161,
0.4746

■ 82.5642, 0.4251,
0.4849

■ 85.8212, 0.4045,
0.4600

■ 81.1521, 0.4314,
0.4907

■ 87.6987, 0.3907,
0.4417


■ 79.8504, 0.4352,
0.4926

■ 89.7599, 0.3756,
0.4207

■ 79.8246, 0.4352,
0.4926

■ 92.0166, 0.3596,
0.3980

 94.4792, 0.3434,
0.3746

 97.1576, 0.3276,
0.3512

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.



84.1160, 0.4726, 0.4201



84.1160, 0.4161, 0.4746



84.1160, 0.3368, 0.4923

Triad

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



84.1160, 0.4161, 0.4746



84.1160, 0.1662, 0.2625



84.1160, 0.3564, 0.2445

Complementary

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



84.1160, 0.4161, 0.4746



16.4556, 0.1809, 0.1194

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.



84.1160, 0.2683, 0.2099



84.1160, 0.4161, 0.4746



84.1160, 0.1700, 0.2138

Square

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



84.1160, 0.4161, 0.4746



84.1160, 0.1944, 0.3472



84.1160, 0.2039, 0.1983



84.1160, 0.4413, 0.2962

Rectangle

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



84.1160, 0.4161, 0.4746



84.1160, 0.2814, 0.4669



84.1160, 0.2039, 0.1983



84.1160, 0.3256, 0.2307

Sweetspot

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



84.1147, 0.4161, 0.4746



94.1720, 0.3454, 0.3774



27.3926, 0.5282, 0.3149



20.0081, 0.3498, 0.3839



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.



84.1147, 0.4161, 0.4746



81.9551, 0.4281, 0.4879



82.2224, 0.3575, 0.5173



20.8133, 0.3271, 0.3505



41.8191, 0.4349, 0.4929



4.1458, 0.4329, 0.4944

Inverse Universe

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



16.4556, 0.1809, 0.1194



10.8004, 0.1616, 0.0851



18.8451, 0.2222, 0.1271



17.6237, 0.2979, 0.3065



4.1468, 0.1515, 0.0653



0.4840, 0.1546, 0.0766

Previews

White Background



This preview shows how the Yxy color 84.1160, 0.4161, 0.4746 looks on a white background.

Color Contrast Check

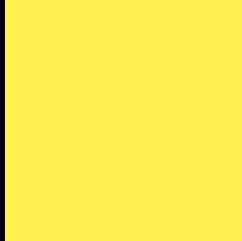
Large Text (above 18pt) WCAG AA × Fail

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 84.1160, 0.4161, 0.4746 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 84.1160, 0.4161, 0.4746

Background



This preview shows how black text looks on a background with the Yxy color 84.1160, 0.4161, 0.4746.



This preview shows how white text looks on a background with the Yxy color 84.1160, 0.4161, 0.4746.

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

84.1160, 0.4161, 0.4746

Protanopia

84.2627, 0.3768, 0.4092

Deuteranopia

83.9941, 0.3457, 0.3562



Tritanopia

84.0856, 0.3241, 0.3202

Trichromacy



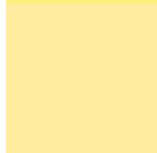
Original Color

84.1160, 0.4161, 0.4746



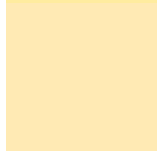
Protanomaly

83.9676, 0.3937, 0.4366



Deuteranomaly

83.7541, 0.3759, 0.4063



Tritanomaly

83.4009, 0.3629, 0.3836

Monochromacy



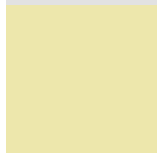
Original Color

84.1160, 0.4161, 0.4746



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

78.1349, 0.3557, 0.3917

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.1160, 0.4161, 0.4746 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, 240, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 77)  
}
```

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, 240, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 77) }
```

Border

The CSS property to change the border of an element to Yxy 84.1160, 0.4161, 0.4746 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, 240, 77) }
```

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

```
.border{ border-color:rgb(255, 240, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 84.1160, 0.4161, 0.4746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 77) }
```

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

```
.background{ background-color: rgb(255,  
240, 77) }
```

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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