

Converting Colors

$Yxy(87.8761, 0.4083, 0.4724)$

Have a look what the booklet for
Yxy(87.8761, 0.4083, 0.4724)
contains.

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Color

Yxy(87.8761, 0.4083, 0.4724)

Conversions

Conversions Part 1

Format	Color
Hex	FFF658
RGB	255, 246, 88
RGB Percent	100%, 96%, 35%
CMY	0.0001, 0.0352, 0.6549
CMYK	0.00, 0.04, 0.65, 0.00
HSL	57°, 100%, 67%
HSV	57°, 65%, 100%
XYZ	75.9522, 87.8761, 22.1922
YIQ	230.6790, 56.0820, -47.2300

Conversions

Conversions Part 2

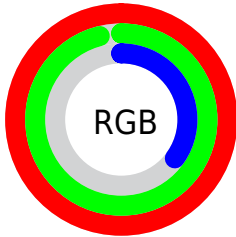
Format	Color
R _Y B	98, 255, 88
Decimal	16774744
CIE Lab	95.11, -14.93, 73.87
CIE LCh	95, 75.361, 101.428
Yxy	87.8761, 0.4083, 0.4724
Android (android.graphics.Color)	4294964824 (0xFFFFFFFF658)
YUV	230.6790, -70.3407, 21.3295
Hunter-Lab	93.7423, -19.4240, 51.5834

Details

The Yxy color **87.8761, 0.4083, 0.4724** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **17.8392, 0.1871, 0.1267**, and the grayscale version is **80.1630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8243, 0.3772, 0.4356**, and **48.4795, 0.4215, 0.4978** is the 20% darker color. If you saturate the color by 10%, you get **86.6988, 0.4176, 0.4849**, and if you desaturate by 10%, it is **89.2154, 0.3966, 0.4558**.

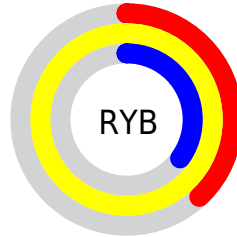
Distribution



Red (100%)

Green (96%)

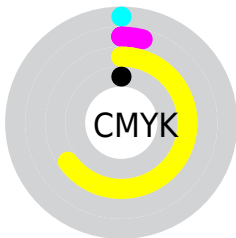
Blue (35%)



Red (38%)

Yellow (100%)

Blue (35%)

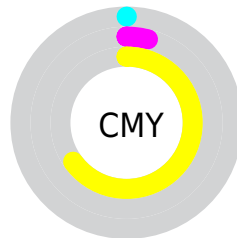


Cyan (0%)

Magenta (4%)

Yellow (65%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.8761, 0.4083, 0.4724 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 87.8761, 0.4083, 0.4724 by changing the saturation by 10% instead.


 87.8761, 0.4083,
0.4724

 87.8761, 0.4083,
0.4724


521.0974, 0.3708,
0.4110

 66.2205, 0.4147,
0.4844

 144.3847, 0.3970,
0.4526

 48.4514, 0.4214,
0.4980


 180.0064, 0.3921,
0.4445

 34.1845, 0.4280,
0.5133


 221.0522, 0.3877,
0.4372

 23.0354, 0.4337,
0.5301

 267.9066, 0.3836,
0.4308

 14.6196, 0.4392,
0.5505

320.9539, 0.3800,
0.4251

 8.5529, 0.4350,
0.5650

380.5785, 0.3766,

 4.4507, 0.4219,

0.4199

0.5781

447.1649, 0.3736,
0.4153

■ 1.9287, 0.4001,
0.5999

■ 0.5656, 0.2343,
0.7657

■ 87.8761, 0.4083,
0.4724

■ 87.8761, 0.4083,
0.4724

■ 86.6988, 0.4176,
0.4849

■ 89.2154, 0.3966,
0.4558

■ 85.6550, 0.4242,
0.4930


■ 90.7184, 0.3829,
0.4358


■ 84.7289, 0.4281,
0.4967

■ 92.4013, 0.3678,
0.4135

■ 84.3361, 0.4292,
0.4974

■ 94.2752, 0.3522,
0.3898

 96.3505, 0.3363,
0.3656

 98.6363, 0.3209,
0.3417

99.9963, 0.3127,
0.3290

Harmonies

Analogous

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



87.8761, 0.4646, 0.4221



87.8761, 0.4083, 0.4724



87.8761, 0.3310, 0.4843

Triad

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



87.8761, 0.4083, 0.4724



87.8761, 0.1702, 0.2610



87.8761, 0.3611, 0.2504

Complementary

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



87.8761, 0.4083, 0.4724



17.8392, 0.1871, 0.1267

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.



87.8761, 0.2755, 0.2153



87.8761, 0.4083, 0.4724



87.8761, 0.1759, 0.2159

Square

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



87.8761, 0.4083, 0.4724



87.8761, 0.1957, 0.3403



87.8761, 0.2110, 0.2025



87.8761, 0.4409, 0.3016

Rectangle

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



87.8761, 0.4083, 0.4724



87.8761, 0.2777, 0.4564



87.8761, 0.2110, 0.2025



87.8761, 0.3315, 0.2365

Sweetspot

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



87.8802, 0.4083, 0.4724



95.4044, 0.3435, 0.3765



29.1409, 0.5157, 0.3198



20.2968, 0.3479, 0.3833



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.



87.8802, 0.4083, 0.4724



86.3321, 0.4202, 0.4883



82.2337, 0.3531, 0.5098



20.9136, 0.3270, 0.3512



44.1477, 0.4290, 0.4975



4.3476, 0.4278, 0.4985

Inverse Universe

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



17.8392, 0.1871, 0.1267



11.7005, 0.1661, 0.0908



21.7109, 0.2334, 0.1403



17.5342, 0.2978, 0.3057



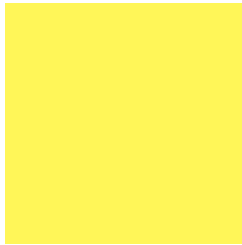
3.9956, 0.1509, 0.0632



0.4417, 0.1530, 0.0707

Previews

White Background



This preview shows how the Yxy color 87.8761, 0.4083, 0.4724 looks on a white background.

Color Contrast Check

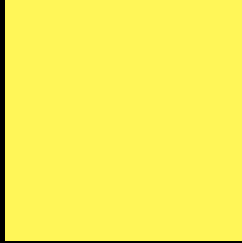
Large Text (above 18pt) WCAG AA × Fail

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 87.8761, 0.4083, 0.4724 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 87.8761, 0.4083, 0.4724

Background



This preview shows how black text looks on a background with the Yxy color 87.8761, 0.4083, 0.4724.



This preview shows how white text looks on a background with the Yxy color 87.8761, 0.4083, 0.4724.

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

87.8761, 0.4083, 0.4724

Protanopia

87.7158, 0.3571, 0.3841

Deuteranopia

87.5235, 0.3363, 0.3479



Tritanopia

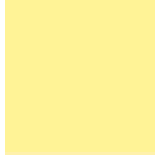
87.7826, 0.3204, 0.3212

Trichromacy



Original Color

87.8761, 0.4083, 0.4724



Protanomaly

87.5632, 0.3789, 0.4211



Deuteranomaly

87.1109, 0.3667, 0.3991



Tritanomaly

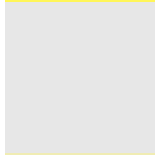
87.1680, 0.3567, 0.3822

Monochromacy



Original Color

87.8761, 0.4083, 0.4724



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

81.7708, 0.3521, 0.3887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8761, 0.4083, 0.4724 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, 246, 88)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 88)  
}
```

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, 246, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 88) }
```

Border

The CSS property to change the border of an element to Yxy 87.8761, 0.4083, 0.4724 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, 246, 88) }
```

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

```
.border{ border-color:rgb(255, 246, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 88);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8761, 0.4083, 0.4724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 88) }
```

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

```
.background{ background-color: rgb(255,  
246, 88) }
```

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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