

Converting Colors

$Yxy(87.0803, 0.4056, 0.4656)$

Have a look what the booklet for
Yxy(87.0803, 0.4056, 0.4656)
contains.

Yxy(86.8244, 0.4058, 0.4652)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.8244, 0.4058, 0.4652)

Conversions

Conversions Part 1

Format	Color
Hex	FFF461
RGB	255, 244, 97
RGB Percent	100%, 96%, 38%
CMY	0.0002, 0.0431, 0.6196
CMYK	0.00, 0.04, 0.62, 0.00
HSL	56°, 100%, 69%
HSV	56°, 62%, 100%
XYZ	75.7381, 86.8244, 24.0764
YIQ	230.5310, 53.7430, -43.3850

Conversions

Conversions Part 2

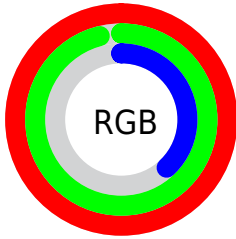
Format	Color
R _Y B	109, 255, 97
Decimal	16774241
CIE Lab	94.66, -13.45, 69.86
CIE LCh	95, 71.141, 100.898
Yxy	86.8244, 0.4058, 0.4652
Android (android.graphics.Color)	4294964321 (0xFFFFF461)
YUV	230.5310, -65.8308, 21.4593
Hunter-Lab	93.1796, -17.9763, 49.9060

Details

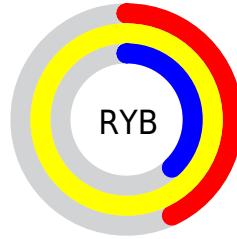
The Yxy color **86.8244, 0.4058, 0.4652** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **20.4734, 0.1943, 0.1404**, and the grayscale version is **80.0121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0799, 0.3728, 0.4284**, and **47.7021, 0.4194, 0.4901** is the 20% darker color. If you saturate the color by 10%, you get **85.3688, 0.4164, 0.4791**, and if you desaturate by 10%, it is **88.4511, 0.3929, 0.4475**.

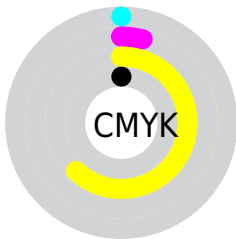
Distribution



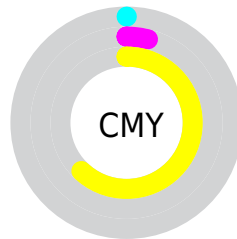
- Red (100%)
- Green (96%)
- Blue (38%)



- Red (43%)
- Yellow (100%)
- Blue (38%)



- Cyan (0%)
- Magenta (4%)
- Yellow (62%)
- Black (0%)




- Cyan (0%)
- Magenta (4%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8244, 0.4058, 0.4652 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 86.8244, 0.4058, 0.4652 by changing the saturation by 10% instead.

 86.8244, 0.4058,
0.4652

 86.8244, 0.4058,
0.4652


517.6457, 0.3686,
0.4065


 65.3499, 0.4124,
0.4769


 142.9194, 0.3944,
0.4461


 47.7449, 0.4195,
0.4902


 178.3086, 0.3895,
0.4383

 33.6249, 0.4268,
0.5054


 219.1049, 0.3851,
0.4314

 22.6056, 0.4335,
0.5223

 265.6926, 0.3811,
0.4253

 14.3025, 0.4394,
0.5417

318.4561, 0.3775,
0.4198

 8.3314, 0.4399,
0.5601

377.7799, 0.3743,

 4.3077, 0.4279,

0.4149

0.5721

444.0483, 0.3713,
0.4105

■ 1.8471, 0.4079,
0.5921

■ 0.5163, 0.2393,
0.7607

■ 86.8244, 0.4058,
0.4652

■ 86.8244, 0.4058,
0.4652

■ 85.3688, 0.4164,
0.4791

■ 88.4511, 0.3929,
0.4475

■ 84.0568, 0.4244,
0.4886


■ 90.2500, 0.3783,
0.4268


■ 82.8740, 0.4297,
0.4936

■ 92.2369, 0.3627,
0.4041

■ 81.9939, 0.4322,
0.4950

■ 94.4226, 0.3467,
0.3804

 96.8170, 0.3309,
0.3567

 99.4294, 0.3156,
0.3334

99.9927, 0.3127,
0.3290

Harmonies

Analogous

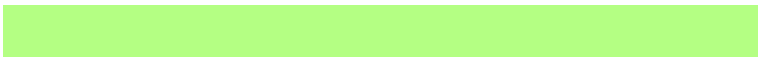
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8244, 0.4584, 0.4180



86.8244, 0.4058, 0.4652



86.8244, 0.3323, 0.4758

Triad

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



86.8244, 0.4058, 0.4652



86.8244, 0.1765, 0.2659



86.8244, 0.3574, 0.2532

Complementary

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



86.8244, 0.4058, 0.4652



20.4734, 0.1943, 0.1404

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.



86.8244, 0.2762, 0.2198



86.8244, 0.4058, 0.4652



86.8244, 0.1813, 0.2217

Square

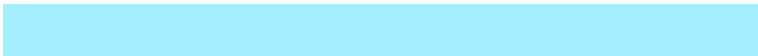
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.8244, 0.4058, 0.4652



86.8244, 0.2019, 0.3417



86.8244, 0.2148, 0.2079



86.8244, 0.4331, 0.3024

Rectangle

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



86.8244, 0.4058, 0.4652



86.8244, 0.2813, 0.4499



86.8244, 0.2148, 0.2079



86.8244, 0.3293, 0.2399

Sweetspot

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



86.8285, 0.4058, 0.4652



95.1401, 0.3420, 0.3734



30.9325, 0.4957, 0.3173



20.2218, 0.3466, 0.3802



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.



86.8285, 0.4058, 0.4652



85.1178, 0.4183, 0.4814



83.1962, 0.3542, 0.5000



20.8625, 0.3271, 0.3509



42.9498, 0.4320, 0.4952



4.2439, 0.4304, 0.4965

Inverse Universe

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



20.4734, 0.1943, 0.1404



14.0346, 0.1736, 0.1053



23.5355, 0.2365, 0.1489



17.5797, 0.2978, 0.3061



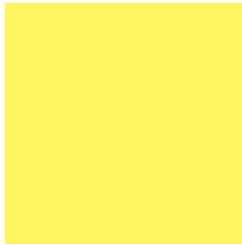
4.0669, 0.1512, 0.0642



0.4632, 0.1538, 0.0737

Previews

White Background



This preview shows how the Yxy color 86.8244, 0.4058, 0.4652 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 86.8244, 0.4058, 0.4652 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 86.8244, 0.4058, 0.4652

Background



This preview shows how black text looks on a background with the Yxy color 86.8244, 0.4058, 0.4652.



This preview shows how white text looks on a background with the Yxy color 86.8244, 0.4058, 0.4652.

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

86.8244, 0.4058, 0.4652

Protanopia

86.8348, 0.3619, 0.3902

Deuteranopia

86.7862, 0.3384, 0.3499



Tritanopia

86.5767, 0.3212, 0.3202

Trichromacy



Original Color

86.8244, 0.4058, 0.4652



Protanomaly

86.3405, 0.3803, 0.4203



Deuteranomaly

86.5973, 0.3657, 0.3962



Tritanomaly

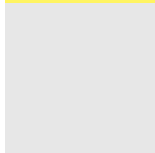
86.1268, 0.3553, 0.3773

Monochromacy



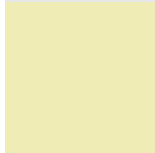
Original Color

86.8244, 0.4058, 0.4652



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

81.8936, 0.3501, 0.3855

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8244, 0.4058, 0.4652 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, 244, 97)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 97)  
}
```

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, 244, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 97) }
```

Border

The CSS property to change the border of an element to Yxy 86.8244, 0.4058, 0.4652 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, 244, 97) }
```

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

```
.border{ border-color:rgb(255, 244, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 244, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 97);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8244, 0.4058, 0.4652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 97) }
```

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

```
.background{ background-color: rgb(255,  
244, 97) }
```

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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