

Converting Colors

Yxy(87.1682, 0.4049, 0.4646)

Have a look what the booklet for
Yxy(87.1682, 0.4049, 0.4646)
contains.

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Color

Yxy(87.4467, 0.4048, 0.4652)

Conversions

Conversions Part 1

Format	Color
Hex	FFF562
RGB	255, 245, 98
RGB Percent	100%, 96%, 38%
CMY	0.0001, 0.0392, 0.6155
CMYK	0.00, 0.04, 0.62, 0.00
HSL	56°, 100%, 69%
HSV	56°, 62%, 100%
XYZ	76.0929, 87.4467, 24.4370
YIQ	231.2320, 53.1470, -43.5970

Conversions

Conversions Part 2

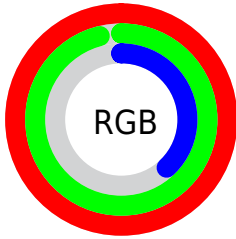
Format	Color
R_{YB}	109, 255, 98
Decimal	16774498
CIE _{Lab}	94.93, -13.86, 69.71
CIE _{LCh}	95, 71.078, 101.248
Yxy	87.4467, 0.4048, 0.4652
Android (android.graphics.Color)	4294964578 (0xFFFFF562)
YUV	231.2320, -65.6834, 20.8445
Hunter-Lab	93.5129, -18.3995, 49.9653

Details

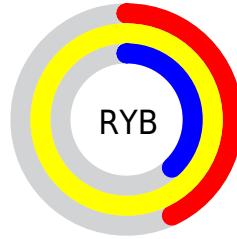
The Yxy color **87.4467, 0.4048, 0.4652** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **20.5484, 0.1948, 0.1407**, and the grayscale version is **80.5667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1131, 0.3723, 0.4275**, and **48.1372, 0.4183, 0.4904** is the 20% darker color. If you saturate the color by 10%, you get **86.0676, 0.4154, 0.4793**, and if you desaturate by 10%, it is **88.9959, 0.3920, 0.4473**.

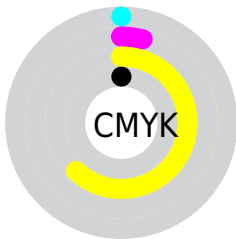
Distribution



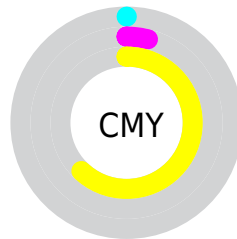
- Red (100%)
- Green (96%)
- Blue (38%)



- 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 87.4467, 0.4048, 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 87.4467, 0.4048, 0.4652 by changing the saturation by 10% instead.


 87.4467, 0.4048,
0.4652


 87.4467, 0.4048,
0.4652


519.6896, 0.3680,
0.4064

 65.8649, 0.4113,
0.4769

 143.7866, 0.3935,
0.4461


 48.1628, 0.4183,
0.4903


 179.3135, 0.3887,
0.4383

 33.9558, 0.4255,
0.5056


 220.2576, 0.3843,
0.4314

 22.8596, 0.4322,
0.5226

 267.0033, 0.3804,
0.4252

 14.4899, 0.4378,
0.5420

319.9349, 0.3769,
0.4198

 8.4622, 0.4387,
0.5613


379.4369, 0.3736,

 4.3921, 0.4264,

0.4149

0.5736

445.8937, 0.3707,
0.4104


 1.8952, 0.4061,
0.5939


 0.5455, 0.2481,
0.7519


 87.4467, 0.4048,
0.4652


 87.4467, 0.4048,
0.4652


 86.0676, 0.4154,
0.4793


 88.9959, 0.3920,
0.4473

 84.8311, 0.4233,
0.4890

 90.7162, 0.3775,
0.4264

 83.7232, 0.4285,
0.4943

 92.6234, 0.3619,
0.4036

 82.8630, 0.4311,
0.4959

 94.7282, 0.3460,
0.3797

97.0405, 0.3302,
0.3558

99.5695, 0.3150,
0.3325

99.9956, 0.3127,
0.3290

Harmonies

Analogous

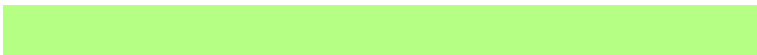
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4467, 0.4575, 0.4185



87.4467, 0.4048, 0.4652



87.4467, 0.3314, 0.4751

Triad

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



87.4467, 0.4048, 0.4652



87.4467, 0.1768, 0.2654



87.4467, 0.3583, 0.2539

Complementary

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



87.4467, 0.4048, 0.4652



20.5484, 0.1948, 0.1407

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.



87.4467, 0.2772, 0.2203



87.4467, 0.4048, 0.4652



87.4467, 0.1819, 0.2217

Square

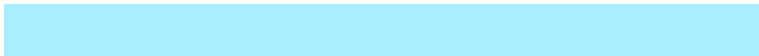
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.4467, 0.4048, 0.4652



87.4467, 0.2018, 0.3406



87.4467, 0.2157, 0.2083



87.4467, 0.4335, 0.3032

Rectangle

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



87.4467, 0.4048, 0.4652



87.4467, 0.2806, 0.4488



87.4467, 0.2157, 0.2083



87.4467, 0.3303, 0.2406

Sweetspot

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



87.4508, 0.4048, 0.4652



95.5428, 0.3404, 0.3713



31.0957, 0.4972, 0.3198



20.3099, 0.3450, 0.3782



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.



87.4508, 0.4048, 0.4652



85.7684, 0.4176, 0.4821



82.9503, 0.3523, 0.5000



20.8815, 0.3271, 0.3510



43.3912, 0.4309, 0.4961



4.2822, 0.4294, 0.4972

Inverse Universe

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



20.5484, 0.1948, 0.1407



13.8778, 0.1734, 0.1043



24.0778, 0.2393, 0.1510



17.5628, 0.2978, 0.3060



4.0391, 0.1511, 0.0638



0.4552, 0.1535, 0.0726

Previews

White Background



This preview shows how the Yxy color 87.4467, 0.4048, 0.4652 looks on a white background.

Color Contrast Check

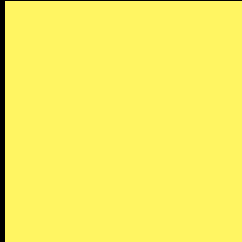
Large Text (above 18pt) WCAG AA × Fail

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 87.4467, 0.4048, 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 87.4467, 0.4048, 0.4652

Background



This preview shows how black text looks on a background with the Yxy color 87.4467, 0.4048, 0.4652.

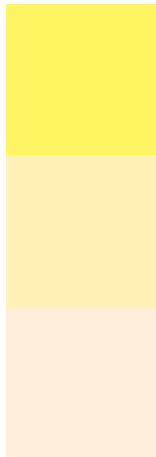


This preview shows how white text looks on a background with the Yxy color 87.4467, 0.4048, 0.4652.

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

87.4467, 0.4048, 0.4652

Protanopia

87.5895, 0.3591, 0.3871

Deuteranopia

87.4710, 0.3369, 0.3489



Tritanopia

87.2083, 0.3205, 0.3203

Trichromacy



Original Color

87.4467, 0.4048, 0.4652



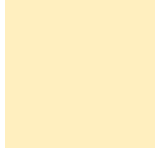
Protanomaly

87.0313, 0.3781, 0.4183



Deuteranomaly

87.2266, 0.3648, 0.3961



Tritanomaly

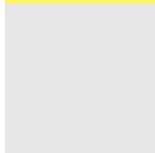
86.7546, 0.3544, 0.3772

Monochromacy



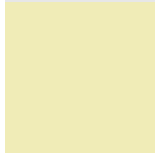
Original Color

87.4467, 0.4048, 0.4652



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

81.9351, 0.3495, 0.3845

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4467, 0.4048, 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, 245, 98)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 98)  
}
```

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, 245, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 98) }
```

Border

The CSS property to change the border of an element to Yxy 87.4467, 0.4048, 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, 245, 98) }
```

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

```
.border{ border-color:rgb(255, 245, 98) }
```

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

Here you see how a box with a 4 pixel rgb(255, 245, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 98);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4467, 0.4048, 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, 245, 98) }
```

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

```
.background{ background-color: rgb(255,  
245, 98) }
```

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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