

# Converting Colors

$Yxy(87.7377, 0.4064, 0.4710)$

Have a look what the booklet for  
Yxy(87.7377, 0.4064, 0.4710)  
contains.

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# **Color**

**Yxy(87.7377, 0.4064, 0.4710)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEF65B
RGB	254, 246, 91
RGB Percent	100%, 96%, 36%
CMY	0.0041, 0.0352, 0.6432
CMYK	0.00, 0.03, 0.64, 0.00
HSL	57°, 99%, 68%
HSV	57°, 64%, 100%
XYZ	75.7040, 87.7377, 22.8379
YIQ	230.7220, 54.5230, -46.5090

# Conversions

## Conversions Part 2

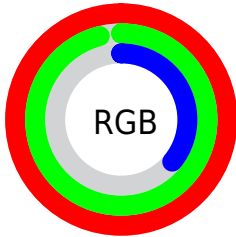
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	99, 254, 91
Decimal	16709211
CIE <sub>Lab</sub>	95.05, -15.19, 72.64
CIE <sub>LCh</sub>	95, 74.206, 101.809
Yxy	87.7377, 0.4064, 0.4710
Android (android.graphics.Color)	4294899291 (0xFFFEF65B)
YUV	230.7220, -68.8829, 20.4148
Hunter-Lab	93.6684, -19.6537, 51.1120

# Details

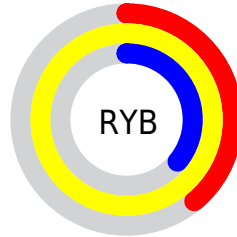
The Yxy color **87.7377, 0.4064, 0.4710** is a light color, and the websafe version is hex **FFFF66**, and the color name is **dodie yellow**. The color can be described as light muted yellow. A complement of this color would be **18.2840, 0.1893, 0.1299**, and the grayscale version is **80.1822, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9181, 0.3756, 0.4329**, and **48.3708, 0.4195, 0.4967** is the 20% darker color. If you saturate the color by 10%, you get **86.6257, 0.4159, 0.4841**, and if you desaturate by 10%, it is **89.0111, 0.3945, 0.4539**.

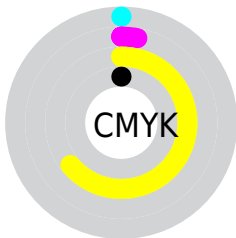
# Distribution



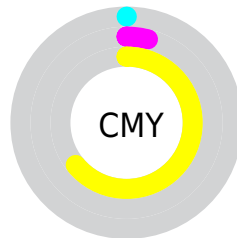
- Red (100%)
- Green (96%)
- Blue (36%)



- Red (39%)
- Yellow (100%)
- Blue (36%)



- Cyan (0%)
- Magenta (3%)
- Yellow (64%)
- Black (0%)




- Cyan (0%)
- Magenta (4%)
- Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.7377, 0.4064, 0.4710 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 87.7377, 0.4064, 0.4710 by changing the saturation by 10% instead.





 87.7377, 0.4064,  
0.4710


 87.7377, 0.4064,  
0.4710


520.6439, 0.3695,  
0.4100


 66.1059, 0.4127,  
0.4830


 144.1919, 0.3952,  
0.4513


 48.3583, 0.4194,  
0.4967


 179.7831, 0.3904,  
0.4431

 34.1108, 0.4261,  
0.5122


 220.7962, 0.3860,  
0.4360

 22.9787, 0.4319,  
0.5293

 267.6155, 0.3821,  
0.4296

 14.5778, 0.4371,  
0.5496

320.6256, 0.3785,  
0.4239

 8.5236, 0.4341,  
0.5659


380.2108, 0.3752,


 4.4318, 0.4207,

0.4188


0.5793


446.7554, 0.3723,  
0.4142


 1.9179, 0.3984,  
0.6016


 0.5591, 0.2232,  
0.7768

 87.7377, 0.4064,  
0.4710


 87.7377, 0.4064,  
0.4710


 86.6257, 0.4159,  
0.4841


 89.0111, 0.3945,  
0.4539


 85.6471, 0.4227,  
0.4928

 90.4471, 0.3807,  
0.4335

 84.7870, 0.4268,  
0.4971

 92.0618, 0.3657,  
0.4108

 84.3244, 0.4282,  
0.4982

 93.8660, 0.3500,  
0.3869

 95.8697, 0.3343,  
0.3626

 98.0821, 0.3189,  
0.3387

99.5943, 0.3121,  
0.3287

99.8021, 0.3121,  
0.3290

# Harmonies

## Analogous

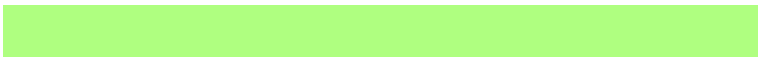
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7377, 0.4622, 0.4220



87.7377, 0.4064, 0.4710



87.7377, 0.3299, 0.4815

# Triad

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



87.7377, 0.4064, 0.4710



87.7377, 0.1718, 0.2613



87.7377, 0.3616, 0.2519

# Complementary

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



87.7377, 0.4064, 0.4710



18.2840, 0.1893, 0.1299

# 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.



87.7377, 0.2771, 0.2170



87.7377, 0.4064, 0.4710



87.7377, 0.1778, 0.2170

# Square

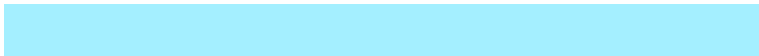
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.7377, 0.4064, 0.4710



87.7377, 0.1967, 0.3391



87.7377, 0.2130, 0.2040



87.7377, 0.4398, 0.3029



# Rectangle

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



87.7377, 0.4064, 0.4710



87.7377, 0.2774, 0.4535



87.7377, 0.2130, 0.2040



87.7377, 0.3324, 0.2382

# Sweetspot

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



87.7418, 0.4064, 0.4710



95.7676, 0.3418, 0.3743



29.4450, 0.5129, 0.3223



20.3760, 0.3464, 0.3813



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.



87.7418, 0.4064, 0.4710



87.1454, 0.4181, 0.4871



81.3869, 0.3511, 0.5077



20.9302, 0.3270, 0.3514



44.5407, 0.4281, 0.4983



4.3816, 0.4270, 0.4992



# Inverse Universe

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



18.2840, 0.1893, 0.1299



12.2985, 0.1685, 0.0946



22.5589, 0.2376, 0.1449



17.5194, 0.2978, 0.3056



3.9747, 0.1508, 0.0629

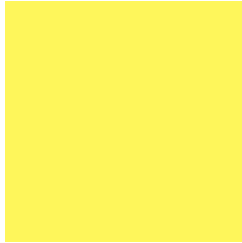


0.4347, 0.1527, 0.0697



# Previews

## White Background



This preview shows how the Yxy color 87.7377, 0.4064, 0.4710 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

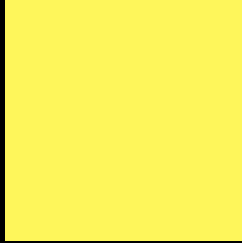
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.7377, 0.4064, 0.4710 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 87.7377, 0.4064, 0.4710**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.7377, 0.4064, 0.4710.



This preview shows how white text looks on a background with the Yxy color 87.7377, 0.4064, 0.4710.

# 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

87.7377, 0.4064, 0.4710

### Protanopia

87.6734, 0.3578, 0.3851

### Deuteranopia

87.5235, 0.3363, 0.3479



## Tritanopia

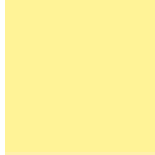
87.8435, 0.3198, 0.3203

# Trichromacy



## Original Color

87.7377, 0.4064, 0.4710



## Protanomaly

87.5955, 0.3783, 0.4201



## Deuteranomaly

87.1492, 0.3661, 0.3981



## Tritanomaly

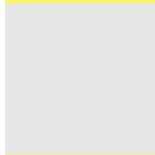
87.2543, 0.3555, 0.3802

# Monochromacy



## Original Color

87.7377, 0.4064, 0.4710



## Achromatopsia

79.9103, 0.3127, 0.3290



## Achromatomaly

81.6369, 0.3507, 0.3878

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.7377, 0.4064, 0.4710 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(254, 246, 91)` looks like.

```
.text, #text, p{  
    color:rgb(254, 246, 91)  
}
```

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(254, 246, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 246, 91) }
```

## Border

The CSS property to change the border of an element to Yxy 87.7377, 0.4064, 0.4710 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(254, 246, 91) }
```

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

```
.border{ border-color:rgb(254, 246, 91) }
```

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

Here you see how a box with a 4 pixel rgb(254, 246, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 246, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 246, 91);  
box-shadow:4px 4px 4px 4px rgb(254, 246,  
91) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.7377, 0.4064, 0.4710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 246, 91) }
```

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

```
.background{ background-color: rgb(254,  
246, 91) }
```

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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