

Converting Colors

$Yxy(87.3140, 0.3877, 0.4788)$

Have a look what the booklet for
Yxy(87.3140, 0.3877, 0.4788)
contains.

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Color

Yxy(87.5196, 0.3877, 0.4785)

Conversions

Conversions Part 1

Format	Color
Hex	EBFB61
RGB	235, 251, 97
RGB Percent	92%, 98%, 38%
CMY	0.0785, 0.0156, 0.6195
CMYK	0.06, 0.00, 0.61, 0.02
HSL	66°, 95%, 68%
HSV	66°, 61%, 98%
XYZ	70.9119, 87.5196, 24.4726
YIQ	228.6600, 39.8980, -51.2860

Conversions

Conversions Part 2

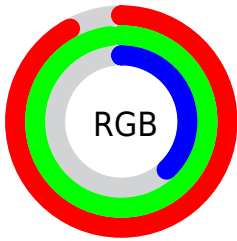
Format	Color
R _Y B	97, 251, 113
Decimal	15465313
CIE Lab	94.96, -24.78, 69.71
CIE LCh	95, 73.981, 109.572
Yxy	87.5196, 0.3877, 0.4785
Android (android.graphics.Color)	4293655393 (0xFFE6FB61)
YUV	228.6600, -64.9084, 5.5602
Hunter-Lab	93.5519, -28.4137, 49.9765

Details

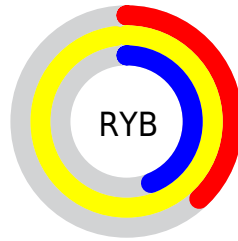
The Yxy color **87.5196, 0.3877, 0.4785** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **19.0372, 0.2022, 0.1350**, and the grayscale version is **78.5584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0799, 0.3728, 0.4284**, and **48.3877, 0.3966, 0.5086** is the 20% darker color. If you saturate the color by 10%, you get **86.6853, 0.3947, 0.4955**, and if you desaturate by 10%, it is **88.5165, 0.3783, 0.4578**.

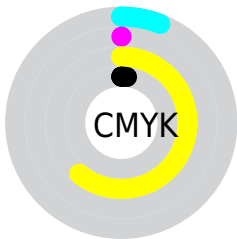
Distribution



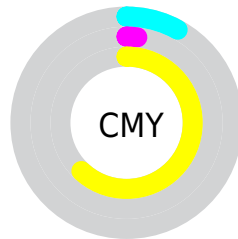
- Red (92%)
- Green (98%)
- Blue (38%)



- Red (38%)
- Yellow (98%)
- Blue (44%)



- Cyan (6%)
- Magenta (0%)
- Yellow (61%)
- Black (2%)





- Cyan (8%)
- Magenta (2%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.5196, 0.3877, 0.4785 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 87.5196, 0.3877, 0.4785 by changing the saturation by 10% instead.


 87.5196, 0.3877,
0.4785


 87.5196, 0.3877,
0.4785


519.9287, 0.3591,
0.4122


 65.9253, 0.3923,
0.4922


 143.8882, 0.3792,
0.4565

 48.2118, 0.3970,
0.5081


 179.4312, 0.3755,
0.4477

 33.9946, 0.4013,
0.5267


 220.3926, 0.3721,
0.4399

 22.8895, 0.4043,
0.5481

 267.1567, 0.3690,
0.4330

 14.5119, 0.4049,
0.5735

320.1080, 0.3662,
0.4269

 8.4776, 0.3989,
0.6011

379.6309, 0.3636,

 4.4020, 0.3765,

0.4215

0.6235

446.1096, 0.3612,
0.4166

■ 1.9009, 0.3391,
0.6609

■ 0.5489, 0.0000,
1.0000

■ 87.5196, 0.3877,
0.4785

■ 87.5196, 0.3877,
0.4785

■ 86.6853, 0.3947,
0.4955

■ 88.5165, 0.3783,
0.4578

■ 85.9871, 0.3992,
0.5080

■ 89.6767, 0.3671,
0.4343

■ 85.4115, 0.4010,
0.5160

■ 91.0155, 0.3545,
0.4090

■ 84.9888, 0.4008,
0.5200

■ 92.5433, 0.3412,
0.3831

94.2694, 0.3277,
0.3572

96.2027, 0.3145,
0.3323

97.1554, 0.3118,
0.3252

97.4813, 0.3129,
0.3252

Harmonies

Analogous

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



87.5196, 0.4506, 0.4364



87.5196, 0.3877, 0.4785



87.5196, 0.3092, 0.4738

Triad

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



87.5196, 0.3877, 0.4785



87.5196, 0.1708, 0.2467



87.5196, 0.3838, 0.2640

Complementary

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



87.5196, 0.3877, 0.4785



19.0372, 0.2022, 0.1350

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.



87.5196, 0.2977, 0.2243



87.5196, 0.3877, 0.4785



87.5196, 0.1843, 0.2111

Square

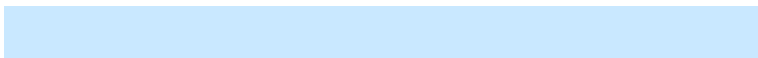
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.5196, 0.3877, 0.4785



87.5196, 0.1874, 0.3163



87.5196, 0.2270, 0.2053



87.5196, 0.4542, 0.3177

Rectangle

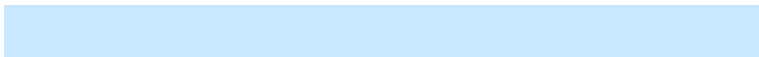
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.5196, 0.3877, 0.4785



87.5196, 0.2585, 0.4350



87.5196, 0.2270, 0.2053



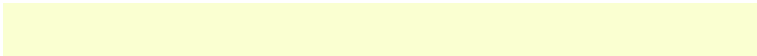
87.5196, 0.3550, 0.2488

Sweetspot

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



87.5236, 0.3877, 0.4785



96.4932, 0.3367, 0.3744



33.0594, 0.4977, 0.3443



20.5461, 0.3407, 0.3820



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.



87.5236, 0.3877, 0.4785



89.6390, 0.3962, 0.4993



77.1978, 0.3356, 0.5092



20.0936, 0.3253, 0.3525



44.7070, 0.4011, 0.5197



4.1662, 0.4034, 0.5179

Inverse Universe

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



19.0372, 0.2022, 0.1350



13.1275, 0.1795, 0.0988



26.3947, 0.2620, 0.1616



16.7295, 0.2995, 0.3046



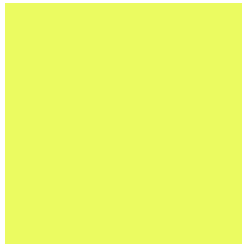
3.8062, 0.1535, 0.0619



0.3802, 0.1606, 0.0658

Previews

White Background



This preview shows how the Yxy color 87.5196, 0.3877, 0.4785 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 87.5196, 0.3877, 0.4785 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 87.5196, 0.3877, 0.4785

Background



This preview shows how black text looks on a background with the Yxy color 87.5196, 0.3877, 0.4785.

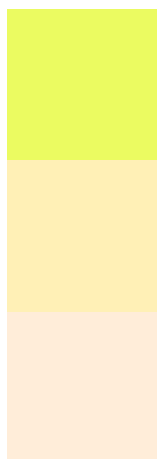


This preview shows how white text looks on a background with the Yxy color 87.5196, 0.3877, 0.4785.

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

87.5196, 0.3877, 0.4785

Protanopia

86.9576, 0.3600, 0.3872

Deuteranopia

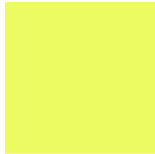
86.8381, 0.3377, 0.3489



Tritanopia

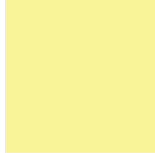
87.0816, 0.3116, 0.3105

Trichromacy



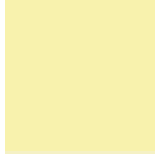
Original Color

87.5196, 0.3877, 0.4785



Protanomaly

86.8922, 0.3729, 0.4227



Deuteranomaly

86.4779, 0.3601, 0.3993



Tritanomaly

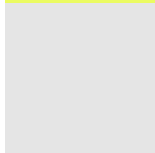
86.3543, 0.3430, 0.3741

Monochromacy



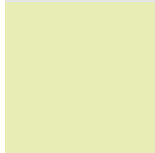
Original Color

87.5196, 0.3877, 0.4785



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.8935, 0.3441, 0.3889

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.5196, 0.3877, 0.4785 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(235, 251, 97)` looks like.

```
.text, #text, p{  
    color:rgb(235, 251, 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(235, 251, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 251, 97) }
```

Border

The CSS property to change the border of an element to Yxy 87.5196, 0.3877, 0.4785 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(235, 251, 97) }
```

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

```
.border{ border-color:rgb(235, 251, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 251, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 251, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 251, 97);  
box-shadow:4px 4px 4px 4px rgb(235, 251,  
97) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 87.5196, 0.3877, 0.4785$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 251, 97) }
```

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

```
.background{ background-color: rgb(235,  
251, 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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