

Converting Colors

$Yxy(86.2842, 0.3834, 0.4576)$

Have a look what the booklet for
Yxy(86.2842, 0.3834, 0.4576)
contains.

Yxy(86.1803, 0.3831, 0.4577)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.1803, 0.3831, 0.4577)

Conversions

Conversions Part 1

Format	Color
Hex	EFF776
RGB	239, 247, 118
RGB Percent	94%, 97%, 46%
CMY	0.0627, 0.0314, 0.5372
CMYK	0.03, 0.00, 0.52, 0.03
HSL	64°, 89%, 72%
HSV	64°, 52%, 97%
XYZ	72.1339, 86.1803, 29.9758
YIQ	229.9020, 36.6410, -41.8150

Conversions

Conversions Part 2

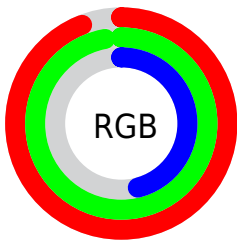
Format	Color
R _Y B	118, 247, 126
Decimal	15726454
CIE Lab	94.39, -19.74, 60.22
CIE LCh	94, 63.373, 108.150
Yxy	86.1803, 0.3831, 0.4577
Android (android.graphics.Color)	4293916534 (0xFFEFF776)
YUV	229.9020, -55.1677, 7.9789
Hunter-Lab	92.8333, -23.7593, 45.8387

Details

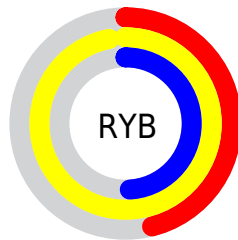
The Yxy color **86.1803, 0.3831, 0.4577** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **24.1108, 0.2169, 0.1641**, and the grayscale version is **79.4557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7971, 0.3614, 0.4095**, and **47.4555, 0.3938, 0.4840** is the 20% darker color. If you saturate the color by 10%, you get **85.4070, 0.3931, 0.4773**, and if you desaturate by 10%, it is **87.1174, 0.3712, 0.4351**.

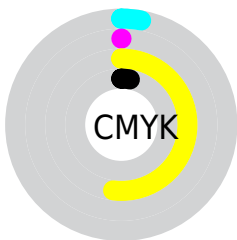
Distribution



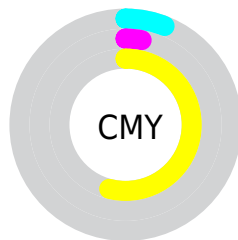
- Red (94%)
- Green (97%)
- Blue (46%)



- Red (46%)
- Yellow (97%)
- Blue (49%)



- Cyan (3%)
- Magenta (0%)
- Yellow (52%)
- Black (3%)





- Cyan (6%)
- Magenta (3%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.1803, 0.3831, 0.4577 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 86.1803, 0.3831, 0.4577 by changing the saturation by 10% instead.


 86.1803, 0.3831,
0.4577

 86.1803, 0.3831,
0.4577

515.5255, 0.3547,
0.4000


 64.8171, 0.3882,
0.4699

 142.0211, 0.3743,
0.4384

 47.3128, 0.3939,
0.4843


 177.2674, 0.3706,
0.4307

 33.2830, 0.3997,
0.5015


 217.9102, 0.3672,
0.4239

 22.3433, 0.4054,
0.5219


264.3339, 0.3642,
0.4180

 14.1094, 0.4095,
0.5459

316.9229, 0.3615,
0.4127

 8.1968, 0.4166,
0.5834


376.0616, 0.3590,


 4.2211, 0.3985,


0.4080


0.6015


442.1343, 0.3568,
0.4038


 1.7980, 0.3680,
0.6320

 0.4859, 0.0000,
1.0000


 86.1803, 0.3831,
0.4577


 86.1803, 0.3831,
0.4577


 85.4070, 0.3931,
0.4773


 87.1174, 0.3712,
0.4351


 84.7735, 0.4007,
0.4929


 88.2176, 0.3580,
0.4106


 84.2695, 0.4056,
0.5042


 89.4946, 0.3440,
0.3850


 83.8780, 0.4080,
0.5111

 90.9576, 0.3298,
0.3594

 83.6310, 0.4084,
0.5140

 92.6152, 0.3158,
0.3344

 93.7319, 0.3088,
0.3213

 94.0125, 0.3097,
0.3213

 94.2954, 0.3107,
0.3213

 94.5806, 0.3117,
0.3213

Harmonies

Analogous

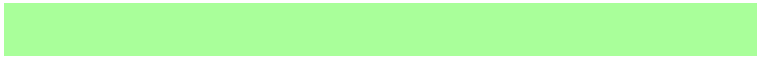
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1803, 0.4359, 0.4230



86.1803, 0.3831, 0.4577



86.1803, 0.3148, 0.4531

Triad

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



86.1803, 0.3831, 0.4577



86.1803, 0.1874, 0.2607



86.1803, 0.3709, 0.2702

Complementary

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



86.1803, 0.3831, 0.4577



24.1108, 0.2169, 0.1641

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.



86.1803, 0.2970, 0.2353



86.1803, 0.3831, 0.4577



86.1803, 0.1982, 0.2266

Square

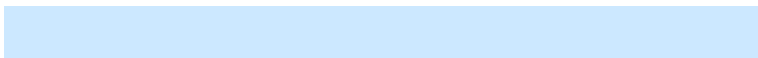
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.1803, 0.3831, 0.4577



86.1803, 0.2045, 0.3229



86.1803, 0.2356, 0.2194



86.1803, 0.4324, 0.3182

Rectangle

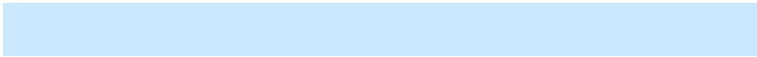
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.1803, 0.3831, 0.4577



86.1803, 0.2697, 0.4216



86.1803, 0.2356, 0.2194



86.1803, 0.3462, 0.2568

Sweetspot

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



86.1842, 0.3831, 0.4577



97.1699, 0.3352, 0.3691



35.6144, 0.4615, 0.3361



20.7288, 0.3381, 0.3744



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.



86.1842, 0.3831, 0.4577



91.7588, 0.3938, 0.4788



77.0664, 0.3389, 0.4797



19.2584, 0.3259, 0.3524



44.2533, 0.4086, 0.5138



3.9050, 0.4100, 0.5127

Inverse Universe

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



24.1108, 0.2169, 0.1641



18.2479, 0.1949, 0.1278



30.4891, 0.2661, 0.1834



15.9756, 0.2989, 0.3046



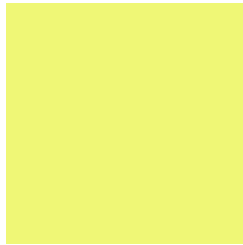
3.6262, 0.1519, 0.0610



0.3356, 0.1566, 0.0636

Previews

White Background



This preview shows how the Yxy color 86.1803, 0.3831, 0.4577 looks on a white background.

Color Contrast Check

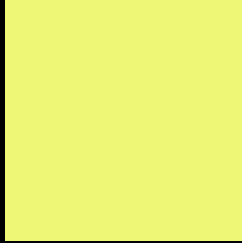
Large Text (above 18pt) WCAG AA × Fail

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 86.1803, 0.3831, 0.4577 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 86.1803, 0.3831, 0.4577

Background



This preview shows how black text looks on a background with the Yxy color 86.1803, 0.3831, 0.4577.

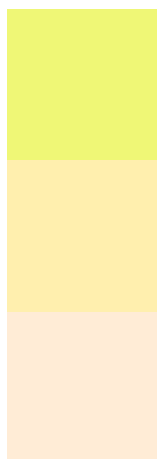


This preview shows how white text looks on a background with the Yxy color 86.1803, 0.3831, 0.4577.

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

86.1803, 0.3831, 0.4577

Protanopia

86.0490, 0.3654, 0.3943

Deuteranopia

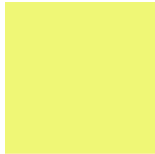
86.1059, 0.3398, 0.3510



Tritanopia

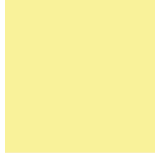
86.1255, 0.3149, 0.3115

Trichromacy



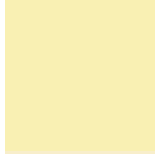
Original Color

86.1803, 0.3831, 0.4577



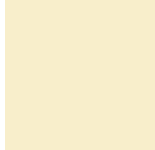
Protanomaly

85.9771, 0.3725, 0.4179



Deuteranomaly

85.7146, 0.3576, 0.3911



Tritanomaly

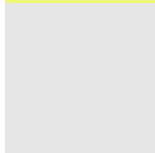
85.4173, 0.3418, 0.3646

Monochromacy



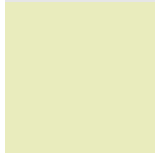
Original Color

86.1803, 0.3831, 0.4577



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

80.9887, 0.3406, 0.3790

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.1803, 0.3831, 0.4577 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(239, 247, 118)` looks like.

```
.text, #text, p{  
    color:rgb(239, 247, 118)  
}
```

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(239, 247, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 247, 118) }
```

Border

The CSS property to change the border of an element to Yxy 86.1803, 0.3831, 0.4577 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(239, 247, 118) }
```

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

```
.border{ border-color:rgb(239, 247, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 247, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 247, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 247, 118);  
box-shadow:4px 4px 4px 4px rgb(239, 247,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 86.1803, 0.3831, 0.4577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 247, 118) }
```

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

```
.background{ background-color: rgb(239,  
247, 118) }
```

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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