

Converting Colors

$Yxy(89.9127, 0.3828, 0.4782)$

Have a look what the booklet for
Yxy(89.9127, 0.3828, 0.4782)
contains.

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Color

Yxy(89.9717, 0.3831, 0.4781)

Conversions

Conversions Part 1

Format	Color
Hex	EAFF66
RGB	234, 255, 102
RGB Percent	92%, 100%, 40%
CMY	0.0822, 0.0000, 0.6002
CMYK	0.08, 0.00, 0.60, 0.00
HSL	68°, 100%, 70%
HSV	68°, 60%, 100%
XYZ	72.0940, 89.9717, 26.1202
YIQ	231.2790, 36.5970, -52.0350

Conversions

Conversions Part 2

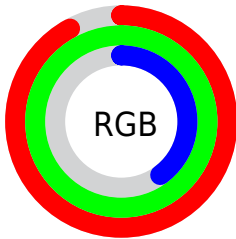
Format	Color
RYB	102, 255, 123
Decimal	15400806
CIELab	95.99, -26.70, 68.81
CIElCh	96, 73.807, 111.210
Yxy	89.9717, 0.3831, 0.4781
Android (android.graphics.Color)	4293590886 (0xFFEAF66)
YUV	231.2790, -63.7345, 2.3863
Hunter-Lab	94.8534, -30.3232, 50.0704

Details

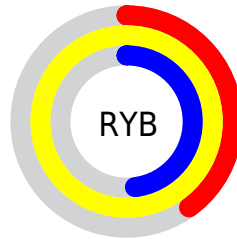
The Yxy color **89.9717, 0.3831, 0.4781** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **20.9156, 0.2079, 0.1405**, and the grayscale version is **80.5941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2486, 0.3700, 0.4238**, and **49.6765, 0.3915, 0.5077** is the 20% darker color. If you saturate the color by 10%, you get **88.9592, 0.3899, 0.4963**, and if you desaturate by 10%, it is **91.1581, 0.3740, 0.4563**.

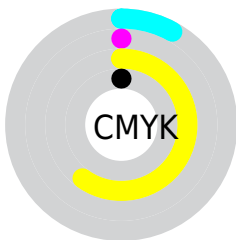
Distribution



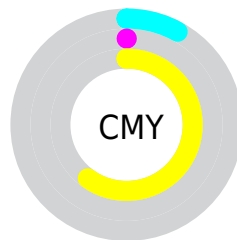
- Red (92%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (48%)



- Cyan (8%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.9717, 0.3831, 0.4781 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 89.9717, 0.3831, 0.4781 by changing the saturation by 10% instead.


 89.9717, 0.3831,
0.4781

 89.9717, 0.3831,
0.4781


527.9388, 0.3565,
0.4118


 67.9572, 0.3874,
0.4919


 147.2991, 0.3753,
0.4561


 49.8629, 0.3917,
0.5080


 183.3807, 0.3718,
0.4472

 35.3045, 0.3956,
0.5268


 224.9202, 0.3687,
0.4395

 23.8975, 0.3983,
0.5489

 272.3019, 0.3658,
0.4326

 15.2576, 0.3981,
0.5744

325.9102, 0.3631,
0.4265

 9.0004, 0.3938,
0.6062


386.1295, 0.3607,


 4.7414, 0.3706,


0.4211

0.6294


453.3443, 0.3585,
0.4162


 2.0964, 0.3326,
0.6674

 0.6626, 0.0000,
1.0000


 89.9717, 0.3831,
0.4781


 89.9717, 0.3831,
0.4781


 88.9592, 0.3899,
0.4963

 91.1581, 0.3740,
0.4563


 88.0956, 0.3941,
0.5102

 92.5214, 0.3632,
0.4320

 87.3667, 0.3956,
0.5194

 94.0764, 0.3511,
0.4062

 86.7447, 0.3949,
0.5246

 95.8339, 0.3384,
0.3799

97.8036, 0.3254,
0.3539

99.9946, 0.3127,
0.3291

100.0000, 0.3127,
0.3290

Harmonies

Analogous

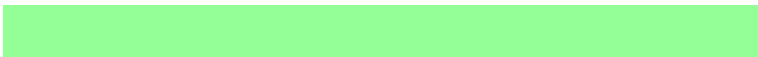
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9717, 0.4466, 0.4384



89.9717, 0.3831, 0.4781



89.9717, 0.3052, 0.4698

Triad

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



89.9717, 0.3831, 0.4781



89.9717, 0.1721, 0.2449



89.9717, 0.3876, 0.2673

Complementary

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



89.9717, 0.3831, 0.4781



20.9156, 0.2079, 0.1405

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.



89.9717, 0.3024, 0.2270



89.9717, 0.3831, 0.4781



89.9717, 0.1871, 0.2113

Square

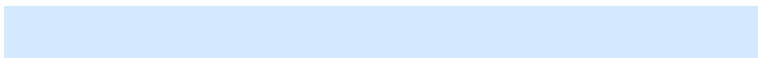
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.9717, 0.3831, 0.4781



89.9717, 0.1869, 0.3120



89.9717, 0.2311, 0.2069



89.9717, 0.4552, 0.3211

Rectangle

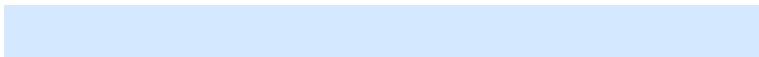
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.9717, 0.3831, 0.4781



89.9717, 0.2553, 0.4294



89.9717, 0.2311, 0.2069



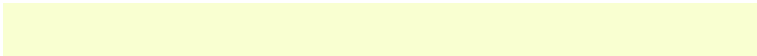
89.9717, 0.3593, 0.2520

Sweetspot

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



89.9751, 0.3831, 0.4781



96.2150, 0.3358, 0.3746



36.2229, 0.4881, 0.3492



20.4772, 0.3395, 0.3822



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.



89.9751, 0.3831, 0.4781



88.7769, 0.3909, 0.4994



79.7535, 0.3325, 0.5073



20.9571, 0.3248, 0.3526



45.3748, 0.3953, 0.5243



4.4513, 0.3982, 0.5220

Inverse Universe

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



20.9156, 0.2079, 0.1405



14.2947, 0.1860, 0.1055



28.8365, 0.2679, 0.1668



17.4971, 0.3000, 0.3046



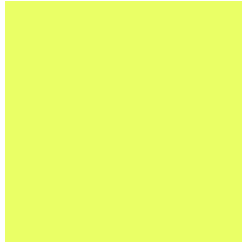
3.9949, 0.1552, 0.0629



0.4237, 0.1633, 0.0673

Previews

White Background



This preview shows how the Yxy color 89.9717, 0.3831, 0.4781 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 89.9717, 0.3831, 0.4781 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 89.9717, 0.3831, 0.4781

Background



This preview shows how black text looks on a background with the Yxy color 89.9717, 0.3831, 0.4781.

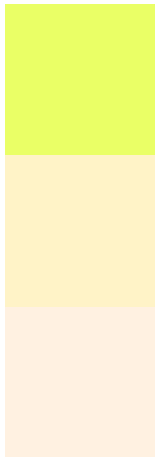


This preview shows how white text looks on a background with the Yxy color 89.9717, 0.3831, 0.4781.

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

89.9717, 0.3831, 0.4781

Protanopia

89.4847, 0.3484, 0.3729

Deuteranopia

89.6068, 0.3320, 0.3448



Tritanopia

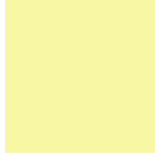
89.6799, 0.3095, 0.3144

Trichromacy



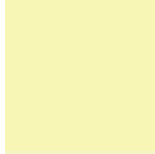
Original Color

89.9717, 0.3831, 0.4781



Protanomaly

88.9760, 0.3635, 0.4130



Deuteranomaly

88.9810, 0.3540, 0.3960



Tritanomaly

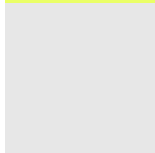
88.6614, 0.3403, 0.3759

Monochromacy



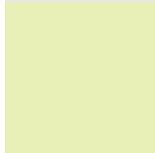
Original Color

89.9717, 0.3831, 0.4781



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.9367, 0.3423, 0.3884

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.9717, 0.3831, 0.4781 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(234, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 102)  
}
```

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(234, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 89.9717, 0.3831, 0.4781 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(234, 255, 102) }
```

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

```
.border{ border-color:rgb(234, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 89.9717, 0.3831, 0.4781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 255, 102) }
```

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

```
.background{ background-color: rgb(234,  
255, 102) }
```

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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