

Converting Colors

$Yxy(89.7065, 0.3819, 0.4787)$

Have a look what the booklet for
Yxy(89.7065, 0.3819, 0.4787)
contains.

Yxy(89.6351, 0.3817, 0.4789)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(89.6351, 0.3817, 0.4789)

Conversions

Conversions Part 1

Format	Color
Hex	E8FF66
RGB	232, 255, 102
RGB Percent	91%, 100%, 40%
CMY	0.0901, 0.0000, 0.6002
CMYK	0.09, 0.00, 0.60, 0.00
HSL	69°, 100%, 70%
HSV	69°, 60%, 100%
XYZ	71.4423, 89.6351, 26.0913
YIQ	230.6810, 35.4050, -52.4590

Conversions

Conversions Part 2

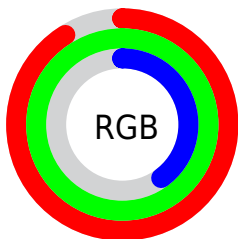
Format	Color
RYB	102, 255, 125
Decimal	15269734
CIELab	95.85, -27.48, 68.61
CIELCh	96, 73.909, 111.825
Yxy	89.6351, 0.3817, 0.4789
Android (android.graphics.Color)	4293459814 (0xFFE8FF66)
YUV	230.6810, -63.4397, 1.1568
Hunter-Lab	94.6758, -30.9867, 49.9336

Details

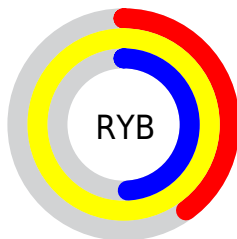
The Yxy color **89.6351, 0.3817, 0.4789** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **21.0660, 0.2092, 0.1411**, and the grayscale version is **80.1245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2486, 0.3700, 0.4238**, and **49.4468, 0.3898, 0.5090** is the 20% darker color. If you saturate the color by 10%, you get **88.5754, 0.3882, 0.4974**, and if you desaturate by 10%, it is **90.8724, 0.3729, 0.4569**.

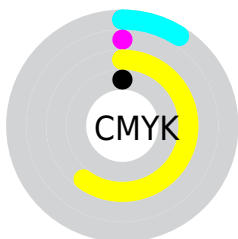
Distribution



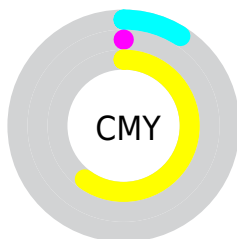
- Red (91%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (49%)



- Cyan (9%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.6351, 0.3817, 0.4789 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 89.6351, 0.3817, 0.4789 by changing the saturation by 10% instead.


 89.6351, 0.3817,
0.4789


 89.6351, 0.3817,
0.4789


526.8431, 0.3557,
0.4121


 67.6780, 0.3858,
0.4928


 146.8314, 0.3741,
0.4567

 49.6358, 0.3900,
0.5091


 182.8395, 0.3707,
0.4477

 35.1241, 0.3937,
0.5283


 224.3000, 0.3676,
0.4399

 23.7585, 0.3961,
0.5507

 271.5973, 0.3648,
0.4330

 15.1546, 0.3955,
0.5767

325.1159, 0.3622,
0.4269

 8.9279, 0.3907,
0.6093

385.2402, 0.3599,

 4.6942, 0.3666,

0.4214

0.6334

452.3544, 0.3577,
0.4165

■ 2.0690, 0.3272,
0.6728

■ 0.6471, 0.0000,
1.0000

■ 89.6351, 0.3817,
0.4789

■ 89.6351, 0.3817,
0.4789

■ 88.5754, 0.3882,
0.4974

■ 90.8724, 0.3729,
0.4569

■ 87.6661, 0.3922,
0.5115


■ 92.2882, 0.3623,
0.4323

■ 86.8938, 0.3935,
0.5210

■ 93.8981, 0.3504,
0.4063

■ 86.2306, 0.3926,
0.5265

■ 95.7127, 0.3379,
0.3799

 97.7420, 0.3252,
0.3540

99.9950, 0.3127,
0.3291

99.9999, 0.3127,
0.3290

Harmonies

Analogous

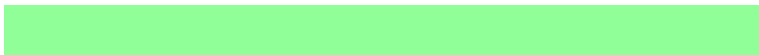
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.6351, 0.4459, 0.4397



89.6351, 0.3817, 0.4789



89.6351, 0.3035, 0.4694

Triad

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



89.6351, 0.3817, 0.4789



89.6351, 0.1718, 0.2436



89.6351, 0.3894, 0.2682

Complementary

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



89.6351, 0.3817, 0.4789



21.0660, 0.2092, 0.1411

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.



89.6351, 0.3041, 0.2274



89.6351, 0.3817, 0.4789



89.6351, 0.1874, 0.2106

Square

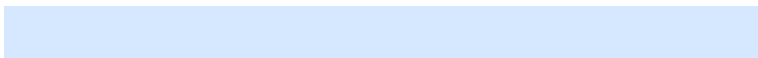
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.6351, 0.3817, 0.4789



89.6351, 0.1860, 0.3102



89.6351, 0.2321, 0.2068



89.6351, 0.4565, 0.3222

Rectangle

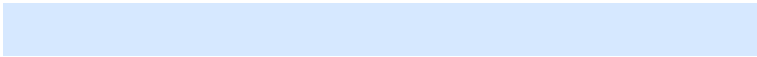
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.6351, 0.3817, 0.4789



89.6351, 0.2537, 0.4281



89.6351, 0.2321, 0.2068



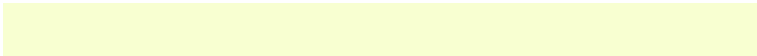
89.6351, 0.3612, 0.2527

Sweetspot

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



89.6392, 0.3817, 0.4789



96.1053, 0.3354, 0.3746



36.8614, 0.4862, 0.3517



20.4501, 0.3390, 0.3823



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.



89.6392, 0.3817, 0.4789



88.3838, 0.3892, 0.5005



79.4978, 0.3309, 0.5082



20.9445, 0.3246, 0.3526



45.1097, 0.3930, 0.5261



4.4280, 0.3962, 0.5236

Inverse Universe

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



21.0660, 0.2092, 0.1411



14.4275, 0.1873, 0.1061



29.1897, 0.2702, 0.1678



17.5085, 0.3002, 0.3046



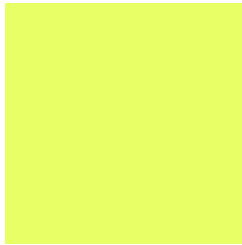
4.0295, 0.1560, 0.0633



0.4291, 0.1646, 0.0680

Previews

White Background



This preview shows how the Yxy color 89.6351, 0.3817, 0.4789 looks on a white background.

Color Contrast Check

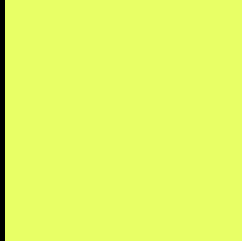
Large Text (above 18pt) WCAG AA × Fail

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 89.6351, 0.3817, 0.4789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

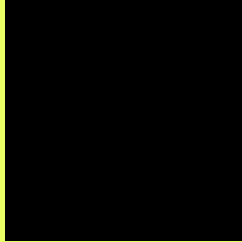
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.6351, 0.3817, 0.4789

Background



This preview shows how black text looks on a background with the Yxy color 89.6351, 0.3817, 0.4789.

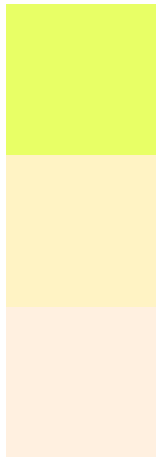


This preview shows how white text looks on a background with the Yxy color 89.6351, 0.3817, 0.4789.

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

89.6351, 0.3817, 0.4789

Protanopia

89.3467, 0.3503, 0.3759

Deuteranopia

88.9620, 0.3328, 0.3448



Tritanopia

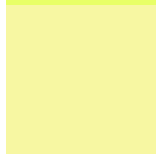
89.3143, 0.3082, 0.3144

Trichromacy



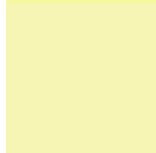
Original Color

89.6351, 0.3817, 0.4789



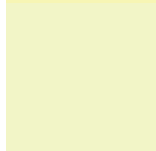
Protanomaly

88.9043, 0.3647, 0.4149



Deuteranomaly

88.3743, 0.3543, 0.3951



Tritanomaly

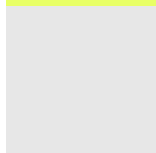
88.3056, 0.3390, 0.3761

Monochromacy



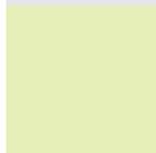
Original Color

89.6351, 0.3817, 0.4789



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.7698, 0.3416, 0.3885

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.6351, 0.3817, 0.4789 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(232, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 89.6351, 0.3817, 0.4789 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(232, 255, 102) }
```

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

```
.border{ border-color:rgb(232, 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(232, 255, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(232, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 89.6351, 0.3817, 0.4789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 255, 102) }
```

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

```
.background{ background-color: rgb(232,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor