

Converting Colors

$Y_{xy}(89.2951, 0.3815, 0.4504)$

Have a look what the booklet for
Yxy(89.2951, 0.3815, 0.4504)
contains.

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Color

Yxy(89.3160, 0.3816, 0.4504)

Conversions

Conversions Part 1

Format	Color
Hex	F5FA7F
RGB	245, 250, 127
RGB Percent	96%, 98%, 50%
CMY	0.0392, 0.0196, 0.5021
CMYK	0.02, 0.00, 0.49, 0.02
HSL	62°, 92%, 74%
HSV	62°, 49%, 98%
XYZ	75.6727, 89.3160, 33.3150
YIQ	234.4830, 36.5030, -39.3130

Conversions

Conversions Part 2

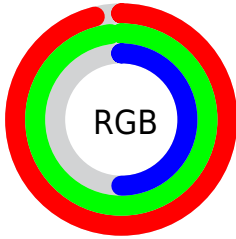
Format	Color
R _Y B	127, 250, 132
Decimal	16120447
CIE Lab	95.71, -18.10, 57.84
CIE LCh	96, 60.605, 107.380
Yxy	89.3160, 0.3816, 0.4504
Android (android.graphics.Color)	4294310527 (0xFFFF5FA7F)
YUV	234.4830, -52.9891, 9.2234
Hunter-Lab	94.5071, -22.4610, 45.2545

Details

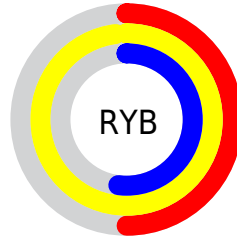
The Yxy color **89.3160, 0.3816, 0.4504** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **26.9728, 0.2214, 0.1738**, and the grayscale version is **83.0543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1574, 0.3561, 0.4008**, and **49.6294, 0.3928, 0.4757** is the 20% darker color. If you saturate the color by 10%, you get **88.5652, 0.3926, 0.4706**, and if you desaturate by 10%, it is **90.2376, 0.3688, 0.4275**.

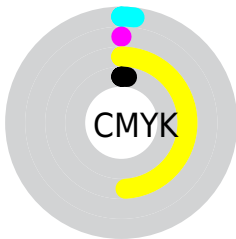
Distribution



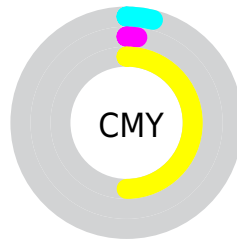
- Red (96%)
- Green (98%)
- Blue (50%)



- Red (50%)
- Yellow (98%)
- Blue (52%)



- Cyan (2%)
- Magenta (0%)
- Yellow (49%)
- Black (2%)





- Cyan (4%)
- Magenta (2%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.3160, 0.3816, 0.4504 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 89.3160, 0.3816, 0.4504 by changing the saturation by 10% instead.

 89.3160, 0.3816,
0.4504


 89.3160, 0.3816,
0.4504


525.8033, 0.3536,
0.3963


 67.4135, 0.3868,
0.4618


 146.3879, 0.3728,
0.4323

 49.4207, 0.3926,
0.4754


 182.3261, 0.3691,
0.4251

 34.9533, 0.3988,
0.4916


 223.7116, 0.3658,
0.4187

 23.6269, 0.4052,
0.5109

270.9289, 0.3629,
0.4132

 15.0571, 0.4108,
0.5339

324.3623, 0.3602,
0.4082

 8.8595, 0.4173,
0.5660

384.3963, 0.3578,

 4.6496, 0.4087,

0.4038

0.5913

451.4151, 0.3556,
0.3999

■ 2.0432, 0.3830,
0.6170

■ 0.6324, 0.2010,
0.7990

■ 89.3160, 0.3816,
0.4504

■ 89.3160, 0.3816,
0.4504

■ 88.5652, 0.3926,
0.4706

■ 90.2376, 0.3688,
0.4275

■ 87.9608, 0.4013,
0.4870

■ 91.3288, 0.3549,
0.4027

■ 87.4931, 0.4074,
0.4992

■ 92.6036, 0.3404,
0.3772


■ 87.1453, 0.4109,
0.5069


■ 94.0713, 0.3259,
0.3518


 86.8926, 0.4121,
0.5107


 95.7403, 0.3116,
0.3271

 86.8744, 0.4121,
0.5110

 96.1226, 0.3105,
0.3242

 96.3117, 0.3111,
0.3242

 96.5019, 0.3118,
0.3242

 96.6931, 0.3124,
0.3242

Harmonies

Analogous

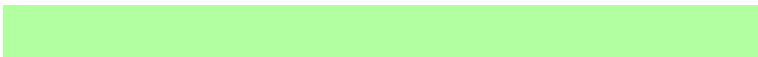
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.3160, 0.4308, 0.4178



89.3160, 0.3816, 0.4504



89.3160, 0.3169, 0.4463

Triad

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



89.3160, 0.3816, 0.4504



89.3160, 0.1934, 0.2659



89.3160, 0.3661, 0.2721

Complementary

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



89.3160, 0.3816, 0.4504



26.9728, 0.2214, 0.1738

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.



89.3160, 0.2964, 0.2390



89.3160, 0.3816, 0.4504



89.3160, 0.2030, 0.2323

Square

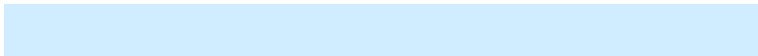
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.3160, 0.3816, 0.4504



89.3160, 0.2107, 0.3254



89.3160, 0.2383, 0.2244



89.3160, 0.4247, 0.3179

Rectangle

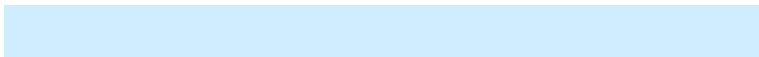
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.3160, 0.3816, 0.4504



89.3160, 0.2739, 0.4174



89.3160, 0.2383, 0.2244



89.3160, 0.3428, 0.2594

Sweetspot

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



89.3201, 0.3816, 0.4504



97.4834, 0.3343, 0.3665



38.1053, 0.4499, 0.3337



20.7978, 0.3374, 0.3719



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

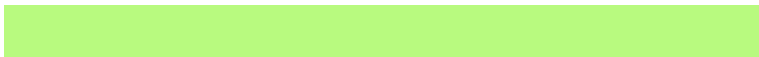
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.3201, 0.3816, 0.4504



92.6503, 0.3924, 0.4703



80.1435, 0.3394, 0.4700



20.1527, 0.3263, 0.3525



46.0945, 0.4123, 0.5109



4.2800, 0.4132, 0.5102

Inverse Universe

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



26.9728, 0.2214, 0.1738



20.5892, 0.2009, 0.1399



33.3537, 0.2678, 0.1911



16.6766, 0.2985, 0.3045



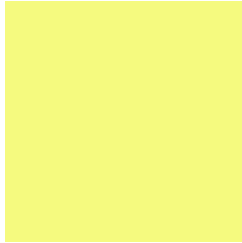
3.7106, 0.1512, 0.0607



0.3551, 0.1542, 0.0623

Previews

White Background



This preview shows how the Yxy color 89.3160, 0.3816, 0.4504 looks on a white background.

Color Contrast Check

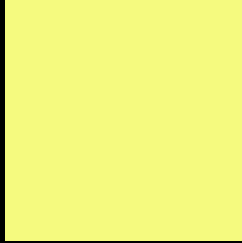
Large Text (above 18pt) WCAG AA × Fail

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 89.3160, 0.3816, 0.4504 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 89.3160, 0.3816, 0.4504

Background



This preview shows how black text looks on a background with the Yxy color 89.3160, 0.3816, 0.4504.

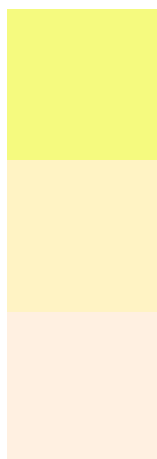


This preview shows how white text looks on a background with the Yxy color 89.3160, 0.3816, 0.4504.

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

89.3160, 0.3816, 0.4504

Protanopia

89.3467, 0.3503, 0.3759

Deuteranopia

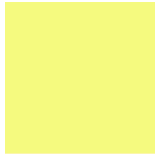
89.0164, 0.3322, 0.3438



Tritanopia

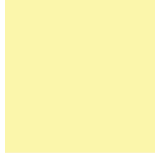
88.8566, 0.3154, 0.3145

Trichromacy



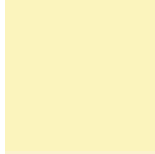
Original Color

89.3160, 0.3816, 0.4504



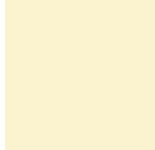
Protanomaly

89.3610, 0.3624, 0.4043



Deuteranomaly

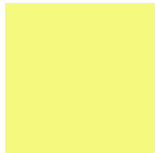
88.8847, 0.3517, 0.3844



Tritanomaly

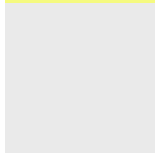
88.5185, 0.3406, 0.3642

Monochromacy



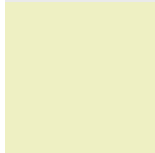
Original Color

89.3160, 0.3816, 0.4504



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.4374, 0.3396, 0.3759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.3160, 0.3816, 0.4504 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(245, 250, 127)` looks like.

```
.text, #text, p{  
    color:rgb(245, 250, 127)  
}
```

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(245, 250, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 250, 127) }
```

Border

The CSS property to change the border of an element to Yxy 89.3160, 0.3816, 0.4504 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(245, 250, 127) }
```

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

```
.border{ border-color:rgb(245, 250, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 250, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 250, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 250, 127);  
box-shadow:4px 4px 4px 4px rgb(245, 250,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 89.3160, 0.3816, 0.4504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 250, 127) }
```

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

```
.background{ background-color: rgb(245,  
250, 127) }
```

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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