

# Converting Colors

Yxy(84.7148, 0.3908, 0.5007)

Have a look what the booklet for  
Yxy(84.7148, 0.3908, 0.5007)  
contains.

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**Color**

**Yxy(84.6359, 0.3905, 0.5010)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0FA44
RGB	224, 250, 68
RGB Percent	88%, 98%, 27%
CMY	0.1216, 0.0196, 0.7333
CMYK	0.10, 0.00, 0.73, 0.02
HSL	69°, 95%, 62%
HSV	69°, 73%, 98%
XYZ	65.9687, 84.6359, 18.3293
YIQ	221.4780, 42.9260, -62.1140

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">68, 250, 94</a>
Decimal	<a href="#">14744132</a>
<a href="#">CIELab</a>	<a href="#">93.73, -30.26, 78.75</a>
<a href="#">CIElCh</a>	<a href="#">94, 84.366, 111.021</a>
<a href="#">Yxy</a>	<a href="#">84.6359, 0.3905, 0.5010</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4292934212 (0xFFE0FA44)</a>
<a href="#">YUV</a>	<a href="#">221.4780, -75.6647, 2.2118</a>
<a href="#">Hunter-Lab</a>	<a href="#">91.9978, -32.9994, 52.5857</a>

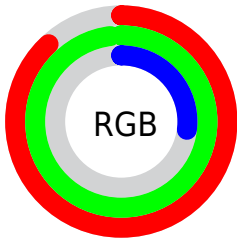
# Details

The Yxy color **84.6359, 0.3905, 0.5010** is a light color, and the websafe version is hex **CCFF33**.

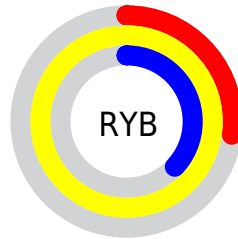
The color can be described as light washed yellow. A complement of this color would be **13.4195, 0.1854, 0.1039**, and the grayscale version is **73.1831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3385, 0.3860, 0.4501**, and **46.5829, 0.3931, 0.5261** is the 20% darker color. If you saturate the color by 10%, you get **83.8318, 0.3938, 0.5137**, and if you desaturate by 10%, it is **85.5898, 0.3845, 0.4838**.

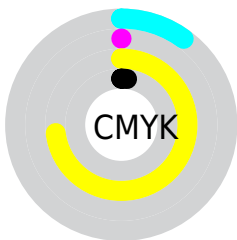
# Distribution



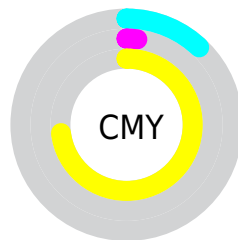
- Red (88%)
- Green (98%)
- Blue (27%)



- Red (27%)
- Yellow (98%)
- Blue (37%)



- Cyan (10%)
- Magenta (0%)
- Yellow (73%)
- Black (2%)




- Cyan (12%)
- Magenta (2%)
- Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.6359, 0.3905, 0.5010 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 84.6359, 0.3905, 0.5010 by changing the saturation by 10% instead.



 84.6359, 0.3905,  
0.5010


 84.6359, 0.3905,  
0.5010


510.4225, 0.3628,  
0.4249

 63.5406, 0.3942,  
0.5163


 139.8644, 0.3829,  
0.4761

 46.2787, 0.3974,  
0.5338


 174.7663, 0.3794,  
0.4659


 32.4658, 0.3992,  
0.5538


 215.0392, 0.3761,  
0.4570

 21.7175, 0.3982,  
0.5760

 261.0675, 0.3730,  
0.4490

 13.6495, 0.3951,  
0.6049

 313.2356, 0.3701,  
0.4420

 7.8773, 0.3758,  
0.6242

371.9279, 0.3675,

 4.0165, 0.3465,

0.4357

437.5287, 0.3650,  
0.4300

0.6535

1.6828, 0.2954,  
0.7046

0.4125, 0.0000,  
1.0000

84.6359, 0.3905,  
0.5010

84.6359, 0.3905,  
0.5010

83.8318, 0.3938,  
0.5137

85.5898, 0.3845,  
0.4838

83.1479, 0.3946,  
0.5219

86.6966, 0.3761,  
0.4628


82.7131, 0.3939,  
0.5255


87.9731, 0.3658,  
0.4390

89.4306, 0.3542,  
0.4134

 91.0795, 0.3417,  
0.3871

 92.9294, 0.3289,  
0.3610

 94.9892, 0.3162,  
0.3358

 96.3999, 0.3114,  
0.3242

 96.8557, 0.3129,  
0.3242

# Harmonies

## Analogous

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



84.6359, 0.4643, 0.4499



84.6359, 0.3905, 0.5010



84.6359, 0.3017, 0.4968

# Triad

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



84.6359, 0.3905, 0.5010



84.6359, 0.1538, 0.2313



84.6359, 0.3987, 0.2578

# Complementary

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



84.6359, 0.3905, 0.5010



13.4195, 0.1854, 0.1039

# 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.



84.6359, 0.2992, 0.2132



84.6359, 0.3905, 0.5010



84.6359, 0.1703, 0.1950

# Square

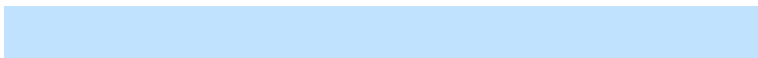
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.6359, 0.3905, 0.5010



84.6359, 0.1694, 0.3077



84.6359, 0.2186, 0.1909



84.6359, 0.4783, 0.3170



# Rectangle

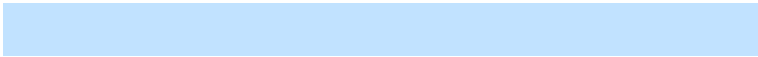
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.6359, 0.3905, 0.5010



84.6359, 0.2453, 0.4491



84.6359, 0.2186, 0.1909



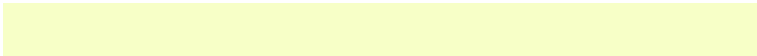
84.6359, 0.3654, 0.2409

# Sweetspot

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



84.6398, 0.3905, 0.5010



95.4097, 0.3407, 0.3851



28.4456, 0.5445, 0.3495



20.3161, 0.3441, 0.3922



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.



84.6398, 0.3905, 0.5010



87.3650, 0.3945, 0.5178



73.9230, 0.3311, 0.5417



20.0577, 0.3247, 0.3526



43.9193, 0.3943, 0.5251



4.1010, 0.3975, 0.5226



# Inverse Universe

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



13.4195, 0.1854, 0.1039



9.4351, 0.1654, 0.0752



21.1397, 0.2551, 0.1386



16.7620, 0.3001, 0.3046



3.8937, 0.1556, 0.0631

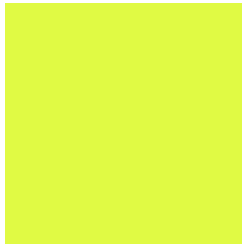


0.3955, 0.1644, 0.0679



# Previews

## White Background



This preview shows how the Yxy color 84.6359, 0.3905, 0.5010 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 84.6359, 0.3905, 0.5010 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 84.6359, 0.3905, 0.5010**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.6359, 0.3905, 0.5010.

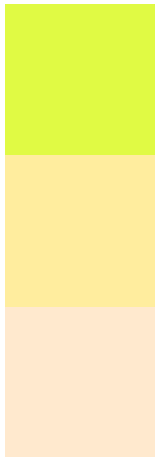


This preview shows how white text looks on a background with the Yxy color 84.6359, 0.3905, 0.5010.

# 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

84.6359, 0.3905, 0.5010

### Protanopia

84.2970, 0.3762, 0.4082

### Deuteranopia

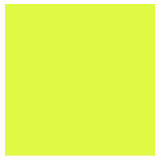
83.9941, 0.3457, 0.3562



## Tritanopia

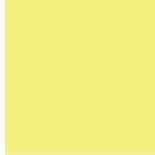
84.1833, 0.3070, 0.3101

# Trichromacy



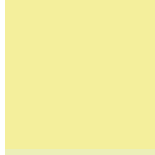
## Original Color

84.6359, 0.3905, 0.5010



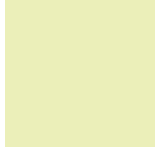
## Protanomaly

84.2180, 0.3854, 0.4461



## Deuteranomaly

83.3664, 0.3687, 0.4144



## Tritanomaly

82.8980, 0.3440, 0.3860

# Monochromacy



## Original Color

84.6359, 0.3905, 0.5010



## Achromatopsia

72.3055, 0.3127, 0.3290



## Achromatomaly

75.9594, 0.3489, 0.4029

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.6359, 0.3905, 0.5010 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(224, 250, 68)` looks like.

```
.text, #text, p{  
    color:rgb(224, 250, 68)  
}
```

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(224, 250, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 250, 68) }
```

## Border

The CSS property to change the border of an element to Yxy 84.6359, 0.3905, 0.5010 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(224, 250, 68) }
```

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

```
.border{ border-color:rgb(224, 250, 68) }
```

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

Here you see how a box with a 4 pixel rgb(224, 250, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 250, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 250, 68);  
box-shadow:4px 4px 4px 4px rgb(224, 250,  
68) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.6359, 0.3905, 0.5010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 250, 68) }
```

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

```
.background{ background-color: rgb(224,  
250, 68) }
```

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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