

# Converting Colors

$Yxy(84.5498, 0.3993, 0.5108)$

Have a look what the booklet for  
Yxy(84.5498, 0.3993, 0.5108)  
contains.

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# Color

**Yxy(84.8553, 0.3991, 0.5112)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3FA28
RGB	227, 250, 40
RGB Percent	89%, 98%, 16%
CMY	0.1098, 0.0196, 0.8433
CMYK	0.09, 0.00, 0.84, 0.02
HSL	67°, 95%, 57%
HSV	67°, 84%, 98%
XYZ	66.2476, 84.8553, 14.8895
YIQ	219.1830, 53.7020, -70.1860

# Conversions

## Conversions Part 2

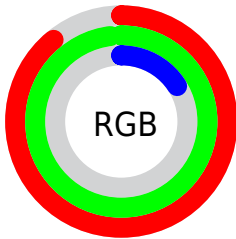
Format	Color
R <sub>Y</sub> B	40, 250, 63
Decimal	14940712
CIE Lab	93.82, -30.05, 86.31
CIE LCh	94, 91.388, 109.196
Yxy	84.8553, 0.3991, 0.5112
Android (android.graphics.Color)	4293130792 (0xFFE3FA28)
YUV	219.1830, -88.3372, 6.8555
Hunter-Lab	92.1169, -32.8331, 54.8984

# Details

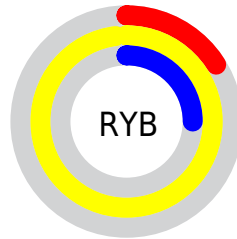
The Yxy color **84.8553, 0.3991, 0.5112** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **9.4724, 0.1661, 0.0784**, and the grayscale version is **71.5691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8627, 0.3952, 0.4654**, and **46.7991, 0.3949, 0.5246** is the 20% darker color. If you saturate the color by 10%, you get **84.2990, 0.4001, 0.5182**, and if you desaturate by 10%, it is **85.5362, 0.3955, 0.4997**.

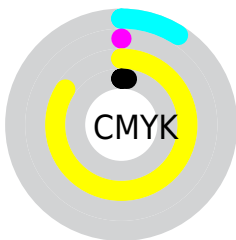
# Distribution



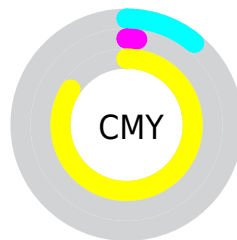
- Red (89%)
- Green (98%)
- Blue (16%)



- Red (16%)
- Yellow (98%)
- Blue (25%)



- Cyan (9%)
- Magenta (0%)
- Yellow (84%)
- Black (2%)




- Cyan (11%)
- Magenta (2%)
- Yellow (84%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.8553, 0.3991, 0.5112 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 84.8553, 0.3991, 0.5112 by changing the saturation by 10% instead.





 84.8553, 0.3991,  
0.5112


 84.8553, 0.3991,  
0.5112


511.1491, 0.3694,  
0.4324

 63.7218, 0.4026,  
0.5264


 140.1710, 0.3914,  
0.4859

 46.4254, 0.4053,  
0.5434


 175.1220, 0.3876,  
0.4754

 32.5816, 0.4062,  
0.5621


 215.4476, 0.3840,  
0.4661

 21.8062, 0.4045,  
0.5834

 261.5323, 0.3807,  
0.4578

 13.7145, 0.3959,  
0.6041

 313.7604, 0.3775,  
0.4504

 7.9224, 0.3768,  
0.6232


372.5163, 0.3746,


 4.0453, 0.3479,


0.4438


0.6521


438.1844, 0.3719,  
0.4378


 1.6990, 0.2979,  
0.7021


 0.4230, 0.0000,  
1.0000


 84.8553, 0.3991,  
0.5112


 84.8553, 0.3991,  
0.5112


 84.2990, 0.4001,  
0.5182


 85.5362, 0.3955,  
0.4997


 84.0038, 0.3998,  
0.5207

 86.3483, 0.3892,  
0.4838


 87.3107, 0.3805,  
0.4639


 88.4363, 0.3698,  
0.4410

 89.7365, 0.3576,  
0.4160

 91.2220, 0.3446,  
0.3901

 92.9022, 0.3312,  
0.3641

 94.7860, 0.3179,  
0.3388

 96.2236, 0.3108,  
0.3242

# Harmonies

## Analogous

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



84.8553, 0.4772, 0.4513



84.8553, 0.3991, 0.5112



84.8553, 0.3048, 0.5152

# Triad

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



84.8553, 0.3991, 0.5112



84.8553, 0.1440, 0.2270



84.8553, 0.3988, 0.2492

# Complementary

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



84.8553, 0.3991, 0.5112



9.4724, 0.1661, 0.0784

# 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.



84.8553, 0.2915, 0.2037



84.8553, 0.3991, 0.5112



84.8553, 0.1594, 0.1873

# Square

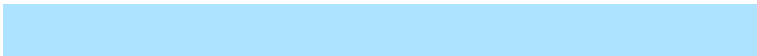
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.8553, 0.3991, 0.5112



84.8553, 0.1617, 0.3112



84.8553, 0.2078, 0.1817



84.8553, 0.4880, 0.3106



# Rectangle

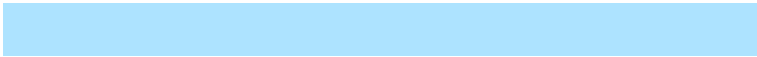
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.8553, 0.3991, 0.5112



84.8553, 0.2442, 0.4667



84.8553, 0.2078, 0.1817



84.8553, 0.3625, 0.2318

# Sweetspot

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



84.8592, 0.3991, 0.5112



95.2526, 0.3459, 0.3927



23.8112, 0.5951, 0.3416



20.2677, 0.3506, 0.4019



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.



84.8592, 0.3991, 0.5112



87.8633, 0.3998, 0.5207



72.8109, 0.3311, 0.5623



20.0886, 0.3252, 0.3525



44.5951, 0.4002, 0.5205



4.1570, 0.4026, 0.5185



# Inverse Universe

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



9.4724, 0.1661, 0.0784



7.4658, 0.1530, 0.0617



16.5225, 0.2374, 0.1163



16.7340, 0.2996, 0.3046



3.8169, 0.1538, 0.0621

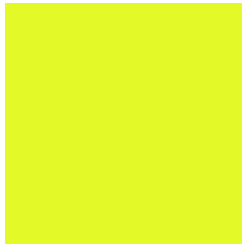


0.3823, 0.1611, 0.0661



# Previews

## White Background



This preview shows how the Yxy color 84.8553, 0.3991, 0.5112 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

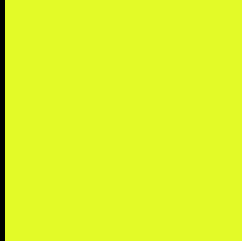
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.8553, 0.3991, 0.5112 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 84.8553, 0.3991, 0.5112**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.8553, 0.3991, 0.5112.



This preview shows how white text looks on a background with the Yxy color 84.8553, 0.3991, 0.5112.

# 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

84.8553, 0.3991, 0.5112

### Protanopia

84.3316, 0.3756, 0.4072

### Deuteranopia

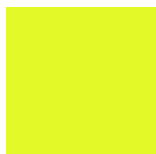
84.6106, 0.3448, 0.3561



## Tritanopia

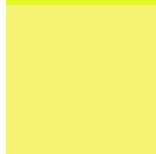
84.6553, 0.3096, 0.3112

# Trichromacy



## Original Color

84.8553, 0.3991, 0.5112



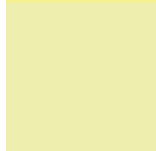
## Protanomaly

84.1777, 0.3908, 0.4533



## Deuteranomaly

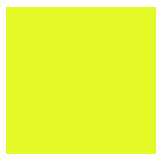
83.8080, 0.3751, 0.4248



## Tritanomaly

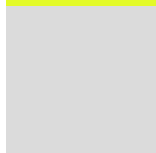
82.9661, 0.3531, 0.3972

# Monochromacy



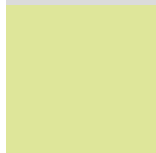
## Original Color

84.8553, 0.3991, 0.5112



## Achromatopsia

70.8376, 0.3127, 0.3290



## Achromatomaly

74.4563, 0.3564, 0.4130

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.8553, 0.3991, 0.5112 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(227, 250, 40)` looks like.

```
.text, #text, p{  
    color:rgb(227, 250, 40)  
}
```

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(227, 250, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 250, 40) }
```

## Border

The CSS property to change the border of an element to Yxy 84.8553, 0.3991, 0.5112 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(227, 250, 40) }
```

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

```
.border{ border-color:rgb(227, 250, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 250, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 250, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 250, 40);  
box-shadow:4px 4px 4px 4px rgb(227, 250,  
40) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.8553, 0.3991, 0.5112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 250, 40) }
```

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

```
.background{ background-color: rgb(227,  
250, 40) }
```

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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