

# Converting Colors

Yxy(89.5641, 0.4037, 0.5105)

Have a look what the booklet for  
Yxy(89.5641, 0.4037, 0.5105)  
contains.

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**Color**

**Yxy(89.6400, 0.4040, 0.5102)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDFF22
RGB	237, 255, 34
RGB Percent	93%, 100%, 13%
CMY	0.0705, 0.0000, 0.8666
CMYK	0.07, 0.00, 0.87, 0.00
HSL	65°, 100%, 57%
HSV	65°, 87%, 100%
XYZ	70.9811, 89.6400, 15.0747
YIQ	224.4240, 60.2130, -72.5470

# Conversions

## Conversions Part 2

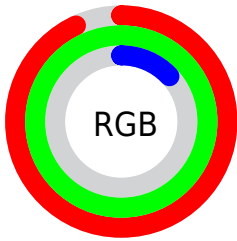
Format	Color
R <sub>Y</sub> B	34, 255, 52
Decimal	15597346
CIE Lab	95.85, -28.47, 89.38
CIE LCh	96, 93.799, 107.667
Yxy	89.6400, 0.4040, 0.5102
Android (android.graphics.Color)	4293787426 (0xFFEDFF22)
YUV	224.4240, -93.8790, 11.0292
Hunter-Lab	94.6784, -31.8644, 56.8347

# Details

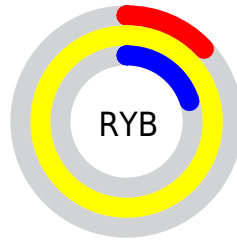
The Yxy color **89.6400, 0.4040, 0.5102** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **9.0947, 0.1610, 0.0731**, and the grayscale version is **75.5210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8206, 0.3961, 0.4668**, and **49.6183, 0.3998, 0.5207** is the 20% darker color. If you saturate the color by 10%, you get **89.1923, 0.4049, 0.5155**, and if you desaturate by 10%, it is **90.2088, 0.4006, 0.5006**.

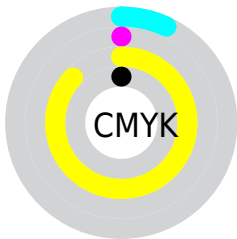
# Distribution



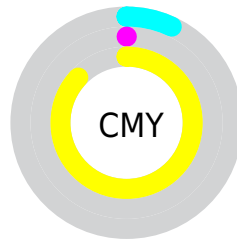
- Red (93%)
- Green (100%)
- Blue (13%)



- Red (13%)
- Yellow (100%)
- Blue (20%)



- Cyan (7%)
- Magenta (0%)
- Yellow (87%)
- Black (0%)



- Cyan (7%)
- Magenta (0%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.6400, 0.4040, 0.5102 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 89.6400, 0.4040, 0.5102 by changing the saturation by 10% instead.




 89.6400, 0.4040,  
0.5102

 89.6400, 0.4040,  
0.5102

526.8591, 0.3728,  
0.4334


 67.6821, 0.4078,  
0.5246


 146.8382, 0.3959,  
0.4859

 49.6392, 0.4108,  
0.5406


 182.8474, 0.3919,  
0.4757


 35.1268, 0.4121,  
0.5580


 224.3090, 0.3882,  
0.4667

 23.7605, 0.4109,  
0.5773

 271.6076, 0.3846,  
0.4586

 15.1561, 0.4038,  
0.5962

 325.1275, 0.3814,  
0.4513

 8.9290, 0.3871,  
0.6129

385.2531, 0.3783,

 4.6949, 0.3621,

0.4447

0.6379

452.3689, 0.3755,  
0.4388

■ 2.0694, 0.3213,  
0.6787

■ 0.6473, 0.0000,  
1.0000

■ 89.6400, 0.4040,  
0.5102

■ 89.6400, 0.4040,  
0.5102

■ 89.1923, 0.4049,  
0.5155

■ 90.2088, 0.4006,  
0.5006

■ 89.0560, 0.4049,  
0.5167

■ 90.9070, 0.3945,  
0.4864

■ 91.7553, 0.3859,  
0.4681

■ 92.7678, 0.3752,  
0.4463

93.9569, 0.3628,  
0.4222

95.3339, 0.3494,  
0.3967

96.9091, 0.3356,  
0.3709

98.6919, 0.3217,  
0.3454

99.9991, 0.3127,  
0.3290

# Harmonies

## Analogous

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



89.6400, 0.4813, 0.4482



89.6400, 0.4040, 0.5102



89.6400, 0.3095, 0.5188

# Triad

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



89.6400, 0.4040, 0.5102



89.6400, 0.1430, 0.2294



89.6400, 0.3939, 0.2459

# Complementary

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



89.6400, 0.4040, 0.5102



9.0947, 0.1610, 0.0731

# 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.



89.6400, 0.2862, 0.2012



89.6400, 0.4040, 0.5102



89.6400, 0.1569, 0.1875

# Square

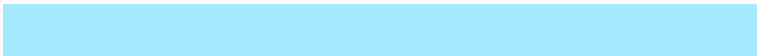
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.6400, 0.4040, 0.5102



89.6400, 0.1626, 0.3165



89.6400, 0.2037, 0.1804



89.6400, 0.4860, 0.3070



# Rectangle

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



89.6400, 0.4040, 0.5102



89.6400, 0.2479, 0.4731



89.6400, 0.2037, 0.1804



89.6400, 0.3571, 0.2287

# Sweetspot

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



89.6441, 0.4040, 0.5102



95.4329, 0.3485, 0.3950



23.5511, 0.6090, 0.3365



20.3188, 0.3532, 0.4040



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.



89.6441, 0.4040, 0.5102



89.0571, 0.4049, 0.5167



76.3628, 0.3338, 0.5638



21.0112, 0.3256, 0.3526



46.5657, 0.4051, 0.5165



4.5553, 0.4068, 0.5152



# Inverse Universe

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



9.0947, 0.1610, 0.0731



7.3766, 0.1519, 0.0611



15.7605, 0.2279, 0.1090



17.4483, 0.2991, 0.3045



3.8789, 0.1525, 0.0614

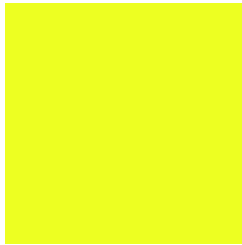


0.4008, 0.1580, 0.0644



# Previews

## White Background



This preview shows how the Yxy color 89.6400, 0.4040, 0.5102 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

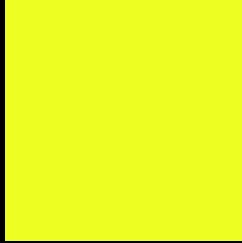
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.6400, 0.4040, 0.5102 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 89.6400, 0.4040, 0.5102**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.6400, 0.4040, 0.5102.

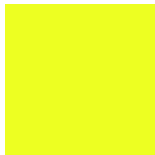


This preview shows how white text looks on a background with the Yxy color 89.6400, 0.4040, 0.5102.

# Color Blindness Simulation

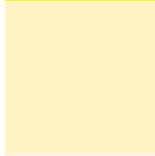
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

89.6400, 0.4040, 0.5102



### Protanopia

89.3013, 0.3509, 0.3769



### Deuteranopia

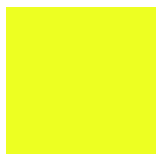
89.4983, 0.3333, 0.3468



## Tritanopia

89.4399, 0.3128, 0.3126

# Trichromacy



## Original Color

89.6400, 0.4040, 0.5102



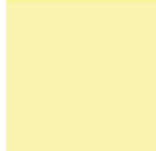
## Protanomaly

88.2556, 0.3802, 0.4391



## Deuteranomaly

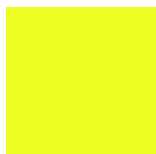
88.2011, 0.3704, 0.4216



## Tritanomaly

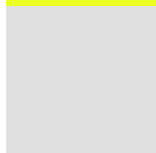
87.7530, 0.3584, 0.3991

# Monochromacy



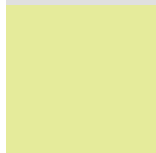
## Original Color

89.6400, 0.4040, 0.5102



## Achromatopsia

74.5404, 0.3127, 0.3290



## Achromatomaly

78.4412, 0.3596, 0.4151

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.6400, 0.4040, 0.5102 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(237, 255, 34)` looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 34)  
}
```

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(237, 255, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 34) }
```

## Border

The CSS property to change the border of an element to Yxy 89.6400, 0.4040, 0.5102 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(237, 255, 34) }
```

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

```
.border{ border-color:rgb(237, 255, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 255, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 34);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
34) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.6400, 0.4040, 0.5102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 34) }
```

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

```
.background{ background-color: rgb(237,  
255, 34) }
```

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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