

# Converting Colors

$Yxy(89.0658, 0.3982, 0.5071)$

Have a look what the booklet for  
Yxy(89.0658, 0.3982, 0.5071)  
contains.

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**Color**

**Yxy(89.0827, 0.3982, 0.5071)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9FF33
RGB	233, 255, 51
RGB Percent	91%, 100%, 20%
CMY	0.0864, 0.0000, 0.8001
CMYK	0.09, 0.00, 0.80, 0.00
HSL	66°, 100%, 60%
HSV	66°, 80%, 100%
XYZ	69.9521, 89.0827, 16.6360
YIQ	225.1660, 52.3720, -68.1080

# Conversions

## Conversions Part 2

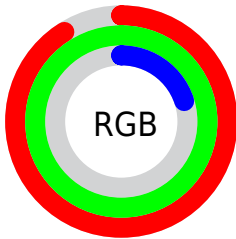
Format	Color
R <sub>Y</sub> B	51, 255, 73
Decimal	15335219
CIE Lab	95.61, -29.67, 85.52
CIE LCh	96, 90.520, 109.133
Yxy	89.0827, 0.3982, 0.5071
Android (android.graphics.Color)	4293525299 (0xFFE9FF33)
YUV	225.1660, -85.8638, 6.8704
Hunter-Lab	94.3836, -32.8766, 55.6181

# Details

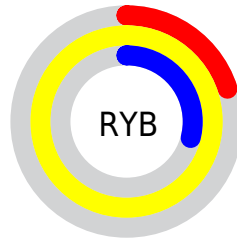
The Yxy color **89.0827, 0.3982, 0.5071** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **11.0028, 0.1710, 0.0856**, and the grayscale version is **76.0114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0410, 0.3917, 0.4595**, and **49.2724, 0.3972, 0.5229** is the 20% darker color. If you saturate the color by 10%, you get **88.4495, 0.4003, 0.5158**, and if you desaturate by 10%, it is **89.8328, 0.3935, 0.4938**.

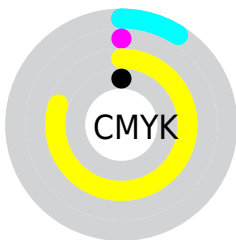
# Distribution



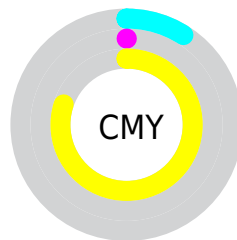
- Red (91%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (29%)



- Cyan (9%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)



- Cyan (9%)
- Magenta (0%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.0827, 0.3982, 0.5071 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 89.0827, 0.3982, 0.5071 by changing the saturation by 10% instead.





 89.0827, 0.3982,  
0.5071


 89.0827, 0.3982,  
0.5071


525.0424, 0.3686,  
0.4305


 67.2201, 0.4019,  
0.5219


 146.0636, 0.3904,  
0.4825

 49.2635, 0.4049,  
0.5385


 181.9506, 0.3866,  
0.4723


 34.8286, 0.4064,  
0.5570


 223.2813, 0.3831,  
0.4633

 23.5308, 0.4051,  
0.5771

 270.4399, 0.3797,  
0.4552

 14.9860, 0.3998,  
0.6002

 323.8110, 0.3766,  
0.4480

 8.8095, 0.3822,  
0.6178


383.7788, 0.3738,


 4.6172, 0.3559,

0.4416


0.6441


450.7278, 0.3711,  
0.4357


 2.0244, 0.3127,  
0.6873


 0.6216, 0.0000,  
1.0000


 89.0827, 0.3982,  
0.5071


 89.0827, 0.3982,  
0.5071


 88.4495, 0.4003,  
0.5158

 89.8328, 0.3935,  
0.4938

 87.9250, 0.4001,  
0.5205


 90.7376, 0.3862,  
0.4763

 91.8052, 0.3766,  
0.4551

 93.0486, 0.3652,  
0.4312

 94.4794, 0.3526,  
0.4057

 96.1082, 0.3393,  
0.3797

 97.9447, 0.3259,  
0.3539

99.9981, 0.3127,  
0.3290

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



89.0827, 0.4743, 0.4495



89.0827, 0.3982, 0.5071



89.0827, 0.3059, 0.5100

# Triad

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



89.0827, 0.3982, 0.5071



89.0827, 0.1472, 0.2297



89.0827, 0.3966, 0.2509

# Complementary

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



89.0827, 0.3982, 0.5071



11.0028, 0.1710, 0.0856

# 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.



89.0827, 0.2920, 0.2061



89.0827, 0.3982, 0.5071



89.0827, 0.1623, 0.1903

# Square

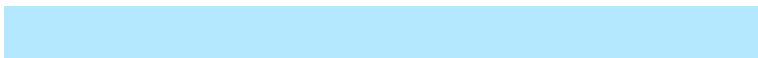
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.0827, 0.3982, 0.5071



89.0827, 0.1650, 0.3123



89.0827, 0.2099, 0.1846



89.0827, 0.4835, 0.3114



# Rectangle

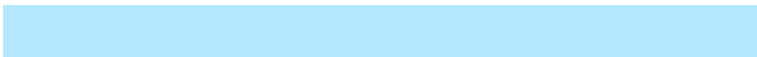
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.0827, 0.3982, 0.5071



89.0827, 0.2463, 0.4629



89.0827, 0.2099, 0.1846



89.0827, 0.3612, 0.2338

# Sweetspot

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



89.0760, 0.3982, 0.5071



95.4337, 0.3447, 0.3901



26.0538, 0.5804, 0.3428



20.3037, 0.3494, 0.3994



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.



89.0760, 0.3982, 0.5071



88.1276, 0.4003, 0.5189



76.7118, 0.3326, 0.5551



20.9852, 0.3252, 0.3526



45.9828, 0.4004, 0.5203



4.5045, 0.4027, 0.5184



# Inverse Universe

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



11.0028, 0.1710, 0.0856



7.8282, 0.1552, 0.0642



18.5146, 0.2416, 0.1224



17.4716, 0.2995, 0.3045



3.9283, 0.1537, 0.0620

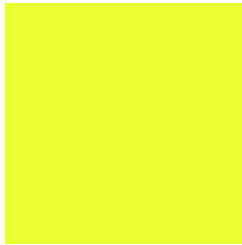


0.4118, 0.1606, 0.0658



# Previews

## White Background



This preview shows how the Yxy color 89.0827, 0.3982, 0.5071 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

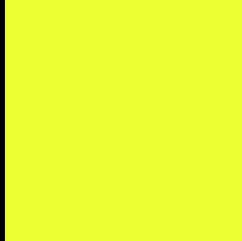
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.0827, 0.3982, 0.5071 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 89.0827, 0.3982, 0.5071**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.0827, 0.3982, 0.5071.



This preview shows how white text looks on a background with the Yxy color 89.0827, 0.3982, 0.5071.

# 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

89.0827, 0.3982, 0.5071

### Protanopia

88.5258, 0.3537, 0.3800

### Deuteranopia

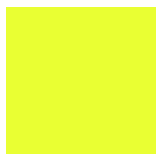
88.8006, 0.3347, 0.3478



## Tritanopia

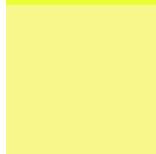
88.6931, 0.3102, 0.3125

# Trichromacy



## Original Color

89.0827, 0.3982, 0.5071



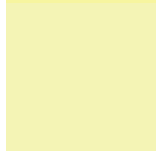
## Protanomaly

88.1891, 0.3773, 0.4358



## Deuteranomaly

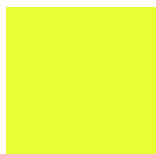
87.5822, 0.3671, 0.4161



## Tritanomaly

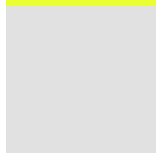
87.2707, 0.3518, 0.3936

# Monochromacy



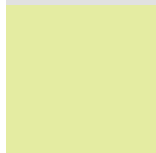
## Original Color

89.0827, 0.3982, 0.5071



## Achromatopsia

75.2942, 0.3127, 0.3290



## Achromatomaly

79.0935, 0.3542, 0.4089

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.0827, 0.3982, 0.5071 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(233, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 51)  
}
```

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(233, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 51) }
```

## Border

The CSS property to change the border of an element to Yxy 89.0827, 0.3982, 0.5071 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(233, 255, 51) }
```

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

```
.border{ border-color:rgb(233, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
51) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.0827, 0.3982, 0.5071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 255, 51) }
```

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

```
.background{ background-color: rgb(233,  
255, 51) }
```

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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