

# Converting Colors

Yxy(89.8288, 0.4024, 0.5063)

Have a look what the booklet for  
Yxy(89.8288, 0.4024, 0.5063)  
contains.

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# Color

**Yxy(89.8944, 0.4027, 0.5062)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEFF2E
RGB	238, 255, 46
RGB Percent	93%, 100%, 18%
CMY	0.0667, 0.0000, 0.8191
CMYK	0.07, 0.00, 0.82, 0.00
HSL	65°, 100%, 59%
HSV	65°, 82%, 100%
XYZ	71.5142, 89.8944, 16.1782
YIQ	226.0910, 56.9570, -68.6030

# Conversions

## Conversions Part 2

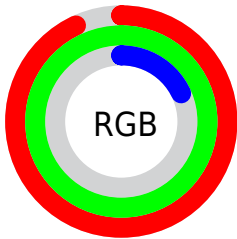
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	46, 255, 63
Decimal	15662894
CIE Lab	95.95, -27.79, 87.09
CIE LCh	96, 91.418, 107.697
Yxy	89.8944, 0.4027, 0.5062
Android (android.graphics.Color)	4293852974 (0xFFEEFF2E)
YUV	226.0910, -88.7849, 10.4442
Hunter-Lab	94.8127, -31.2853, 56.2520

# Details

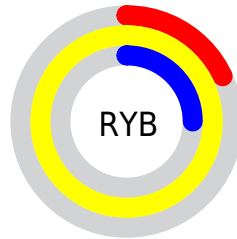
The Yxy color **89.8944, 0.4027, 0.5062** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **10.2442, 0.1663, 0.0808**, and the grayscale version is **76.7557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9723, 0.3930, 0.4618**, and **49.8531, 0.4016, 0.5193** is the 20% darker color. If you saturate the color by 10%, you get **89.3921, 0.4047, 0.5135**, and if you desaturate by 10%, it is **90.5209, 0.3980, 0.4944**.

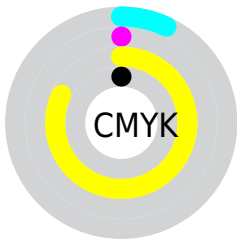
# Distribution



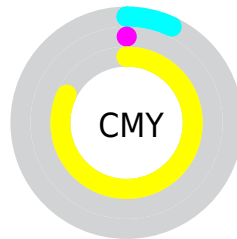
- Red (93%)
- Green (100%)
- Blue (18%)



- Red (18%)
- Yellow (100%)
- Blue (25%)



- Cyan (7%)
- Magenta (0%)
- Yellow (82%)
- Black (0%)




- Cyan (7%)
- Magenta (0%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.8944, 0.4027, 0.5062 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 89.8944, 0.4027, 0.5062 by changing the saturation by 10% instead.





 89.8944, 0.4027,  
0.5062

 89.8944, 0.4027,  
0.5062


527.6873, 0.3715,  
0.4308


 67.8931, 0.4067,  
0.5205


 147.1917, 0.3944,  
0.4822


 49.8107, 0.4100,  
0.5365


 183.2565, 0.3904,  
0.4722

 35.2630, 0.4119,  
0.5541


 224.7778, 0.3866,  
0.4633

 23.8656, 0.4111,  
0.5732

 272.1401, 0.3831,  
0.4553

 15.2339, 0.4060,  
0.5940

 325.7279, 0.3799,  
0.4482

 8.9837, 0.3898,  
0.6102


385.9254, 0.3769,


 4.7306, 0.3655,


0.4418


0.6345


453.1170, 0.3741,  
0.4360


 2.0901, 0.3259,  
0.6741


 0.6590, 0.0000,  
1.0000


 89.8944, 0.4027,  
0.5062


 89.8944, 0.4027,  
0.5062


 89.3921, 0.4047,  
0.5135

 90.5209, 0.3980,  
0.4944

 89.0535, 0.4049,  
0.5167


 91.2888, 0.3907,  
0.4782

 92.2138, 0.3810,  
0.4581

 93.3090, 0.3695,  
0.4351

 94.5864, 0.3565,  
0.4102

 96.0566, 0.3429,  
0.3844

 97.7295, 0.3290,  
0.3587

 99.6144, 0.3153,  
0.3337

 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.



89.8944, 0.4780, 0.4466



89.8944, 0.4027, 0.5062



89.8944, 0.3101, 0.5132

# Triad

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



89.8944, 0.4027, 0.5062



89.8944, 0.1464, 0.2319



89.8944, 0.3921, 0.2478

# Complementary

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



89.8944, 0.4027, 0.5062



10.2442, 0.1663, 0.0808

# 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.



89.8944, 0.2871, 0.2038



89.8944, 0.4027, 0.5062



89.8944, 0.1601, 0.1906

# Square

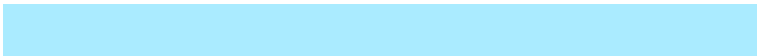
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.8944, 0.4027, 0.5062



89.8944, 0.1659, 0.3171



89.8944, 0.2062, 0.1834



89.8944, 0.4816, 0.3080



# Rectangle

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



89.8944, 0.4027, 0.5062



89.8944, 0.2498, 0.4686



89.8944, 0.2062, 0.1834



89.8944, 0.3563, 0.2309

# Sweetspot

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



89.8948, 0.4027, 0.5062



95.5816, 0.3471, 0.3924



24.6946, 0.5929, 0.3377



20.3476, 0.3520, 0.4015



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.



89.8948, 0.4027, 0.5062



89.1352, 0.4049, 0.5160



77.0057, 0.3358, 0.5559



21.0111, 0.3256, 0.3526



46.5638, 0.4051, 0.5165



4.5551, 0.4068, 0.5152



# Inverse Universe

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



10.2442, 0.1663, 0.0808



7.5430, 0.1528, 0.0623



17.1276, 0.2332, 0.1160



17.4484, 0.2991, 0.3045



3.8790, 0.1525, 0.0614

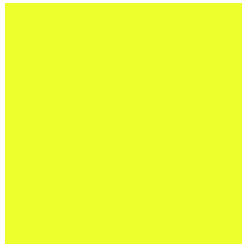


0.4008, 0.1580, 0.0644



# Previews

## White Background



This preview shows how the Yxy color 89.8944, 0.4027, 0.5062 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

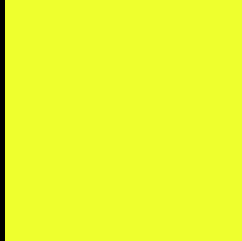
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.8944, 0.4027, 0.5062 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 89.8944, 0.4027, 0.5062**

## Background



This preview shows how black text looks on a background with the Yxy color 89.8944, 0.4027, 0.5062.



This preview shows how white text looks on a background with the Yxy color 89.8944, 0.4027, 0.5062.

# 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

89.8944, 0.4027, 0.5062

### Protanopia

89.3924, 0.3496, 0.3749

### Deuteranopia

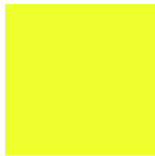
89.5524, 0.3327, 0.3458



## Tritanopia

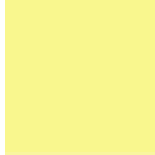
89.6291, 0.3135, 0.3127

# Trichromacy



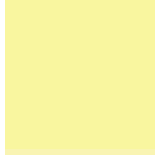
## Original Color

89.8944, 0.4027, 0.5062



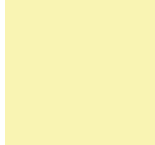
## Protanomaly

88.6143, 0.3776, 0.4334



## Deuteranomaly

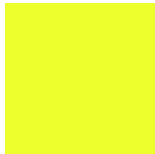
88.5545, 0.3682, 0.4165



## Tritanomaly

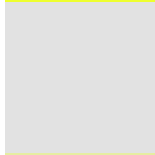
88.0958, 0.3566, 0.3949

# Monochromacy



## Original Color

89.8944, 0.4027, 0.5062



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

79.9646, 0.3560, 0.4105

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.8944, 0.4027, 0.5062 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(238, 255, 46)` looks like.

```
.text, #text, p{  
    color:rgb(238, 255, 46)  
}
```

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(238, 255, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 255, 46) }
```

## Border

The CSS property to change the border of an element to Yxy 89.8944, 0.4027, 0.5062 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(238, 255, 46) }
```

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

```
.border{ border-color:rgb(238, 255, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 255, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 255, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 255, 46);  
box-shadow:4px 4px 4px 4px rgb(238, 255,  
46) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.8944, 0.4027, 0.5062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 255, 46) }
```

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

```
.background{ background-color: rgb(238,  
255, 46) }
```

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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