

# Converting Colors

$Yxy(80.2902, 0.3906, 0.4804)$

Have a look what the booklet for  
Yxy(80.2902, 0.3906, 0.4804)  
contains.

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# Color

**Yxy(80.1258, 0.3911, 0.4802)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4F159
RGB	228, 241, 89
RGB Percent	89%, 95%, 35%
CMY	0.1058, 0.0549, 0.6510
CMYK	0.05, 0.00, 0.63, 0.05
HSL	65°, 84%, 65%
HSV	65°, 63%, 95%
XYZ	65.2586, 80.1258, 21.4748
YIQ	219.7850, 41.0440, -50.0280

# Conversions

## Conversions Part 2

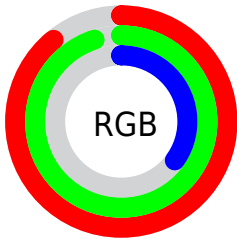
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	89, 241, 102
Decimal	15003993
CIE <sub>Lab</sub>	91.74, -23.30, 69.34
CIE <sub>LCh</sub>	92, 73.154, 108.575
Yxy	80.1258, 0.3911, 0.4802
Android (android.graphics.Color)	4293194073 (0xFFE4F159)
YUV	219.7850, -64.4770, 7.2046
Hunter-Lab	89.5130, -26.5140, 48.4350

# Details

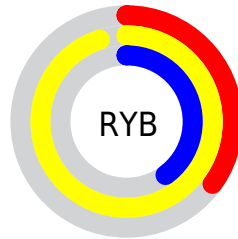
The Yxy color **80.1258, 0.3911, 0.4802** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **16.3173, 0.1974, 0.1292**, and the grayscale version is **71.8531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8243, 0.3772, 0.4356**, and **43.2031, 0.4007, 0.5109** is the 20% darker color. If you saturate the color by 10%, you get **79.4542, 0.3981, 0.4960**, and if you desaturate by 10%, it is **80.9412, 0.3817, 0.4605**.

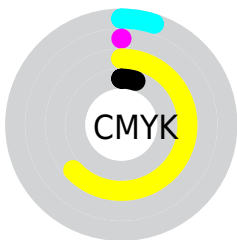
# Distribution



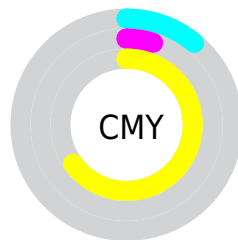
- Red (89%)
- Green (95%)
- Blue (35%)



- Red (35%)
- Yellow (95%)
- Blue (40%)



- Cyan (5%)
- Magenta (0%)
- Yellow (63%)
- Black (5%)




- Cyan (11%)
- Magenta (5%)
- Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.1258, 0.3911, 0.4802 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 80.1258, 0.3911, 0.4802 by changing the saturation by 10% instead.





 80.1258, 0.3911,  
0.4802


 80.1258, 0.3911,  
0.4802


495.3567, 0.3607,  
0.4124


 59.8219, 0.3961,  
0.4943


 133.5426, 0.3821,  
0.4577

 43.2751, 0.4010,  
0.5106


 167.4242, 0.3781,  
0.4486

 30.1010, 0.4055,  
0.5296


 206.6006, 0.3745,  
0.4406

 19.9153, 0.4083,  
0.5514

 251.4560, 0.3712,  
0.4336

 12.3335, 0.4108,  
0.5805

302.3750, 0.3682,  
0.4274

 6.9712, 0.3986,  
0.6014


359.7418, 0.3654,


 3.4441, 0.3741,


0.4218


0.6259


423.9409, 0.3629,  
0.4168


 1.3677, 0.3277,  
0.6723


 0.1928, 0.0000,  
1.0000


 80.1258, 0.3911,  
0.4802


 80.1258, 0.3911,  
0.4802


 79.4542, 0.3981,  
0.4960


 80.9412, 0.3817,  
0.4605


 78.9019, 0.4024,  
0.5075


 81.9011, 0.3704,  
0.4377


 78.4562, 0.4041,  
0.5145


 83.0196, 0.3577,  
0.4130


 78.1928, 0.4042,  
0.5173


 84.3060, 0.3442,  
0.3873

 85.7692, 0.3304,  
0.3616

 87.4172, 0.3168,  
0.3365

 89.0830, 0.3053,  
0.3152

 89.4499, 0.3066,  
0.3153

 89.8210, 0.3079,  
0.3153

# Harmonies

## Analogous

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



80.1258, 0.4543, 0.4359



80.1258, 0.3911, 0.4802



80.1258, 0.3116, 0.4780

# Triad

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



80.1258, 0.3911, 0.4802



80.1258, 0.1687, 0.2470



80.1258, 0.3822, 0.2614

# Complementary

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



80.1258, 0.3911, 0.4802



16.3173, 0.1974, 0.1292

# 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.



80.1258, 0.2946, 0.2218



80.1258, 0.3911, 0.4802



80.1258, 0.1814, 0.2099

# Square

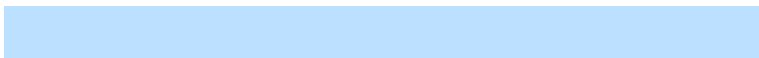
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1258, 0.3911, 0.4802



80.1258, 0.1865, 0.3187



80.1258, 0.2237, 0.2032



80.1258, 0.4550, 0.3153



# Rectangle

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



80.1258, 0.3911, 0.4802



80.1258, 0.2598, 0.4398



80.1258, 0.2237, 0.2032



80.1258, 0.3527, 0.2462

# Sweetspot

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



80.1295, 0.3911, 0.4802



96.4870, 0.3387, 0.3769



28.8579, 0.5070, 0.3418



20.5531, 0.3427, 0.3843



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.



80.1295, 0.3911, 0.4802



90.1153, 0.3997, 0.5001



70.3388, 0.3372, 0.5127



18.3864, 0.3255, 0.3524



42.4318, 0.4044, 0.5171



3.5500, 0.4065, 0.5154



# Inverse Universe

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



16.3173, 0.1974, 0.1292



12.1878, 0.1747, 0.0932



22.9195, 0.2579, 0.1567



15.2932, 0.2993, 0.3047



3.5512, 0.1528, 0.0615

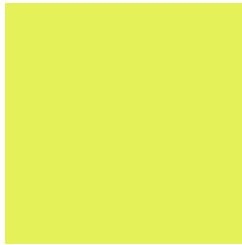


0.3174, 0.1594, 0.0652



# Previews

## White Background



This preview shows how the Yxy color 80.1258, 0.3911, 0.4802 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 80.1258, 0.3911, 0.4802 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 80.1258, 0.3911, 0.4802**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.1258, 0.3911, 0.4802.



This preview shows how white text looks on a background with the Yxy color 80.1258, 0.3911, 0.4802.

# 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

80.1258, 0.3911, 0.4802

### Protanopia

79.6496, 0.4044, 0.4417

### Deuteranopia

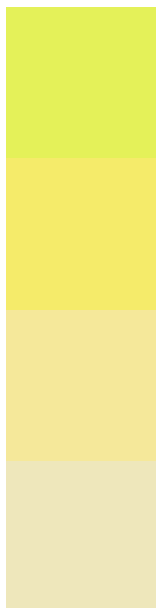
79.9598, 0.3572, 0.3656



## Tritanopia

79.9185, 0.3135, 0.3119

# Trichromacy



## Original Color

80.1258, 0.3911, 0.4802

## Protanomaly

79.8697, 0.3993, 0.4559

## Deuteranomaly

79.4588, 0.3731, 0.4098

## Tritanomaly

78.9168, 0.3465, 0.3756

# Monochromacy



## Original Color

80.1258, 0.3911, 0.4802

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

74.1533, 0.3460, 0.3910

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.1258, 0.3911, 0.4802 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(228, 241, 89)` looks like.

```
.text, #text, p{  
    color:rgb(228, 241, 89)  
}
```

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(228, 241, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 241, 89) }
```

## Border

The CSS property to change the border of an element to Yxy 80.1258, 0.3911, 0.4802 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(228, 241, 89) }
```

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

```
.border{ border-color:rgb(228, 241, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 241, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 241, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 241, 89);  
box-shadow:4px 4px 4px 4px rgb(228, 241,  
89) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.1258, 0.3911, 0.4802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 241, 89) }
```

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

```
.background{ background-color: rgb(228,  
241, 89) }
```

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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