

# Converting Colors

$Yxy(81.8911, 0.4058, 0.4954)$

Have a look what the booklet for  
Yxy(81.8911, 0.4058, 0.4954)  
contains.

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# Color

**Yxy(82.0688, 0.4054, 0.4960)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBF33A
RGB	235, 243, 58
RGB Percent	92%, 95%, 23%
CMY	0.0784, 0.0470, 0.7723
CMYK	0.03, 0.00, 0.76, 0.05
HSL	63°, 89%, 59%
HSV	63°, 76%, 95%
XYZ	67.0780, 82.0688, 16.3145
YIQ	219.5180, 54.6170, -59.2310

# Conversions

## Conversions Part 2

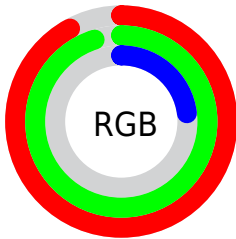
<b>Format</b>	<b>Color</b>
<b>RYB</b>	58, 243, 66
Decimal	15463226
CIELab	92.61, -22.96, 81.02
CIELCh	93, 84.215, 105.825
Yxy	82.0688, 0.4054, 0.4960
Android (android.graphics.Color)	4293653306 (0xFFEBF33A)
YUV	219.5180, -79.6284, 13.5777
Hunter-Lab	90.5918, -26.3668, 52.7369

# Details

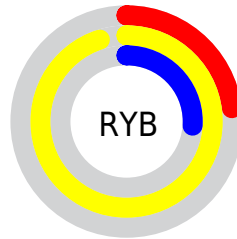
The Yxy color **82.0688, 0.4054, 0.4960** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **10.6627, 0.1713, 0.0916**, and the grayscale version is **71.7603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1361, 0.3898, 0.4565**, and **44.6546, 0.4081, 0.5141** is the 20% darker color. If you saturate the color by 10%, you get **81.7023, 0.4097, 0.5052**, and if you desaturate by 10%, it is **82.5605, 0.3985, 0.4824**.

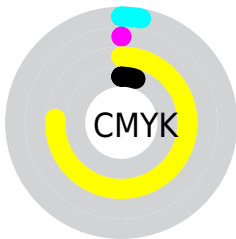
# Distribution



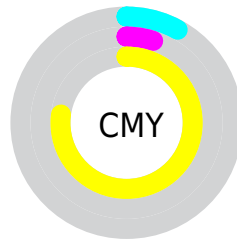
- Red (92%)
- Green (95%)
- Blue (23%)



- Red (23%)
- Yellow (95%)
- Blue (26%)



- Cyan (3%)
- Magenta (0%)
- Yellow (76%)
- Black (5%)




- Cyan (8%)
- Magenta (5%)
- Yellow (77%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.0688, 0.4054, 0.4960 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 82.0688, 0.4054, 0.4960 by changing the saturation by 10% instead.





 82.0688, 0.4054,  
0.4960

 82.0688, 0.4054,  
0.4960


501.8778, 0.3711,  
0.4237


 61.4222, 0.4103,  
0.5100


 136.2705, 0.3957,  
0.4727


 44.5660, 0.4149,  
0.5258


 170.5944, 0.3913,  
0.4631

 31.1157, 0.4183,  
0.5432


 210.2462, 0.3872,  
0.4546

 20.6870, 0.4193,  
0.5623

 255.6103, 0.3834,  
0.4470

 12.8954, 0.4166,  
0.5834

 307.0712, 0.3800,  
0.4402

 7.3566, 0.4015,  
0.5985


365.0131, 0.3768,


 3.6861, 0.3784,


0.4341


0.6216

429.8205, 0.3738,  
0.4286


 1.4996, 0.3380,  
0.6620


 0.2884, 0.0000,  
1.0000


 82.0688, 0.4054,  
0.4960


 82.0688, 0.4054,  
0.4960

 81.7023, 0.4097,  
0.5052


 82.5605, 0.3985,  
0.4824


 81.4317, 0.4114,  
0.5101


 83.1807, 0.3890,  
0.4646


 81.3423, 0.4117,  
0.5113


 83.9453, 0.3775,  
0.4435


 84.8656, 0.3644,  
0.4198

 85.9512, 0.3503,  
0.3948

 87.2114, 0.3358,  
0.3692

 88.6546, 0.3213,  
0.3440

 90.2886, 0.3073,  
0.3197

 90.6392, 0.3065,  
0.3173

# Harmonies

## Analogous

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



82.0688, 0.4751, 0.4392



82.0688, 0.4054, 0.4960



82.0688, 0.3171, 0.5049

# Triad

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



82.0688, 0.4054, 0.4960



82.0688, 0.1531, 0.2407



82.0688, 0.3821, 0.2482

# Complementary

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



82.0688, 0.4054, 0.4960



10.6627, 0.1713, 0.0916

# 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.



82.0688, 0.2829, 0.2068



82.0688, 0.4054, 0.4960



82.0688, 0.1643, 0.1978

# Square

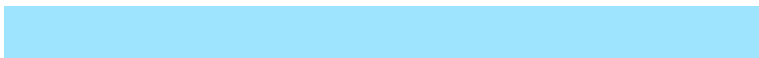
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.0688, 0.4054, 0.4960



82.0688, 0.1746, 0.3249



82.0688, 0.2071, 0.1887



82.0688, 0.4693, 0.3058



# Rectangle

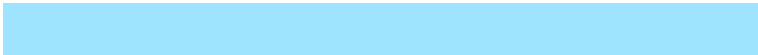
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.0688, 0.4054, 0.4960



82.0688, 0.2586, 0.4659



82.0688, 0.2071, 0.1887



82.0688, 0.3481, 0.2322

# Sweetspot

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



82.0726, 0.4054, 0.4960



96.3037, 0.3459, 0.3870



23.0528, 0.5735, 0.3341



20.5097, 0.3511, 0.3962



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.



82.0726, 0.4054, 0.4960



90.9882, 0.4109, 0.5082



70.3713, 0.3414, 0.5413



19.2749, 0.3262, 0.3524



44.6580, 0.4118, 0.5112



3.9361, 0.4128, 0.5104



# Inverse Universe

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



10.6627, 0.1713, 0.0916



8.1539, 0.1552, 0.0667



16.6400, 0.2344, 0.1237



15.9609, 0.2986, 0.3046



3.6035, 0.1513, 0.0607

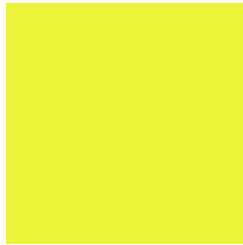


0.3285, 0.1546, 0.0626



# Previews

## White Background



This preview shows how the Yxy color 82.0688, 0.4054, 0.4960 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

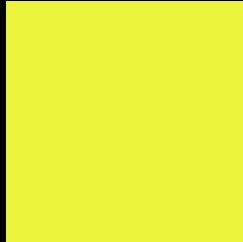
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.0688, 0.4054, 0.4960 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 82.0688, 0.4054, 0.4960**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.0688, 0.4054, 0.4960.

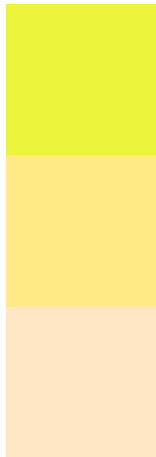


This preview shows how white text looks on a background with the Yxy color 82.0688, 0.4054, 0.4960.

# 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

82.0688, 0.4054, 0.4960

### Protanopia

81.8549, 0.3915, 0.4271

### Deuteranopia

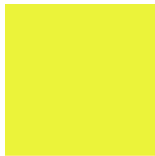
81.8848, 0.3524, 0.3624



## Tritanopia

81.4336, 0.3184, 0.3112

# Trichromacy



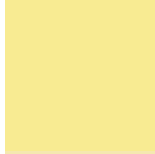
## Original Color

82.0688, 0.4054, 0.4960



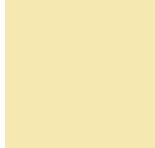
## Protanomaly

81.5864, 0.4000, 0.4555



## Deuteranomaly

81.4484, 0.3792, 0.4196



## Tritanomaly

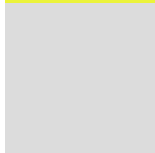
80.2603, 0.3587, 0.3873

# Monochromacy



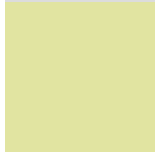
## Original Color

82.0688, 0.4054, 0.4960



## Achromatopsia

71.5694, 0.3127, 0.3290



## Achromatomaly

74.0676, 0.3547, 0.4028

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.0688, 0.4054, 0.4960 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(235, 243, 58)` looks like.

```
.text, #text, p{  
    color:rgb(235, 243, 58)  
}
```

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(235, 243, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 243, 58) }
```

## Border

The CSS property to change the border of an element to Yxy 82.0688, 0.4054, 0.4960 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(235, 243, 58) }
```

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

```
.border{ border-color:rgb(235, 243, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 243, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 243, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 243, 58);  
box-shadow:4px 4px 4px 4px rgb(235, 243,  
58) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.0688, 0.4054, 0.4960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 243, 58) }
```

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

```
.background{ background-color: rgb(235,  
243, 58) }
```

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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