

# Converting Colors

Yxy(57.7054, 0.4395, 0.4831)

Have a look what the booklet for  
Yxy(57.7054, 0.4395, 0.4831)  
contains.

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# **Color**

**Yxy(57.7054, 0.4395, 0.4831)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3C818
RGB	227, 200, 24
RGB Percent	89%, 78%, 9%
CMY	0.1098, 0.2157, 0.9051
CMYK	0.00, 0.12, 0.89, 0.11
HSL	52°, 81%, 49%
HSV	52°, 89%, 89%
XYZ	52.4975, 57.7054, 9.2453
YIQ	188.0090, 72.5880, -49.0120

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	55, 227, 24
Decimal	14927896
CIELab	80.57, -6.03, 78.60
CIElCh	81, 78.834, 94.388
Yxy	57.7054, 0.4395, 0.4831
Android (android.graphics.Color)	4293117976 (0xFFE3C818)
YUV	188.0090, -80.8564, 34.1951
Hunter-Lab	75.9641, -9.5788, 45.9589

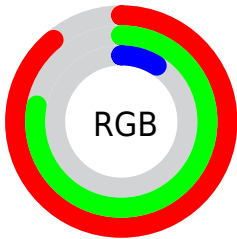
# Details

The Yxy color **57.7054, 0.4395, 0.4831** is a light color, and the websafe version is hex **FFCC33**.

The color can be described as light washed yellow. A complement of this color would be **8.1252, 0.1592, 0.0838**, and the grayscale version is **50.7456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5703, 0.4013, 0.4755**, and **29.0829, 0.4419, 0.4873** is the 20% darker color. If you saturate the color by 10%, you get **56.2593, 0.4449, 0.4846**, and if you desaturate by 10%, it is **59.2588, 0.4315, 0.4775**.

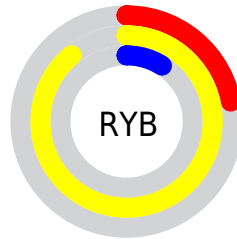
# Distribution



Red (89%)

Green (78%)

Blue (9%)



Red (22%)

Yellow (89%)

Blue (9%)

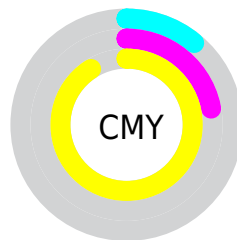


Cyan (0%)

Magenta (12%)

Yellow (89%)

Black (11%)



Cyan (11%)

Magenta (22%)


Yellow (91%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.7054, 0.4395, 0.4831 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 57.7054, 0.4395, 0.4831 by changing the saturation by 10% instead.



 57.7054, 0.4395,  
0.4831


 57.7054, 0.4395,  
0.4831


416.0873, 0.3873,  
0.4168

 41.5719, 0.4479,  
0.4949


 101.4937, 0.4239,  
0.4624

 28.7662, 0.4562,  
0.5072


 129.9173, 0.4170,  
0.4536


 18.9040, 0.4636,  
0.5199


 163.2063, 0.4108,  
0.4457

 11.6009, 0.4686,  
0.5314

 201.7452, 0.4051,  
0.4387

 6.4726, 0.4645,  
0.5355

 245.9184, 0.4000,  
0.4323

 3.1345, 0.4581,  
0.5419

 296.1102, 0.3954,

 1.2024, 0.4469,

0.4266

0.5531

352.7050, 0.3912,  
0.4215

■ 0.0636, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.7054, 0.4395,  
0.4831

■ 57.7054, 0.4395,  
0.4831

■ 56.2593, 0.4449,  
0.4846


■ 59.2588, 0.4315,  
0.4775


■ 56.1660, 0.4452,  
0.4847


■ 60.9323, 0.4207,  
0.4673


■ 62.7417, 0.4075,  
0.4530


■ 64.6983, 0.3924,  
0.4352

 66.8119, 0.3762,  
0.4150

 69.0911, 0.3595,  
0.3932

 71.5440, 0.3429,  
0.3710

 74.1781, 0.3269,  
0.3489

 77.0003, 0.3118,  
0.3276

# Harmonies

## Analogous

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



57.7054, 0.4997, 0.4152



57.7054, 0.4395, 0.4831



57.7054, 0.3520, 0.5200

# Triad

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



57.7054, 0.4395, 0.4831



57.7054, 0.1507, 0.2640



57.7054, 0.3444, 0.2258

# Complementary

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



57.7054, 0.4395, 0.4831



8.1252, 0.1592, 0.0838

# 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.



57.7054, 0.2471, 0.1916



57.7054, 0.4395, 0.4831



57.7054, 0.1502, 0.2041

# Square

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



57.7054, 0.4395, 0.4831



57.7054, 0.1866, 0.3678



57.7054, 0.1816, 0.1830



57.7054, 0.4471, 0.2800



# Rectangle

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



57.7054, 0.4395, 0.4831



57.7054, 0.2893, 0.5027



57.7054, 0.1816, 0.1830



57.7054, 0.3094, 0.2118

# Sweetspot

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



57.7082, 0.4395, 0.4831



90.6251, 0.3559, 0.3884



17.2318, 0.5972, 0.3156



19.1703, 0.3616, 0.3960



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.



57.7082, 0.4395, 0.4831



73.0097, 0.4454, 0.4845



61.7369, 0.3599, 0.5459



16.4728, 0.3271, 0.3492



32.8834, 0.4448, 0.4850



2.5212, 0.4405, 0.4884



# Inverse Universe

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



8.1252, 0.1592, 0.0838



8.3601, 0.1523, 0.0684



8.8342, 0.1901, 0.0871



14.1947, 0.2980, 0.3080



3.8775, 0.1529, 0.0705



0.3863, 0.1587, 0.0914



# Previews

## White Background



This preview shows how the Yxy color 57.7054, 0.4395, 0.4831 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

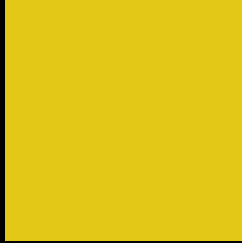
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.7054, 0.4395, 0.4831 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 57.7054, 0.4395, 0.4831**

## Background



This preview shows how black text looks on a background with the Yxy color 57.7054, 0.4395, 0.4831.



This preview shows how white text looks on a background with the Yxy color 57.7054, 0.4395, 0.4831.

# 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

57.7054, 0.4395, 0.4831

### Protanopia

58.0080, 0.4378, 0.4845

### Deuteranopia

57.6322, 0.4672, 0.4577



## Tritanopia

57.4651, 0.3454, 0.3138

# Trichromacy



**Original Color**

57.7054, 0.4395, 0.4831

**Protanomaly**

58.0080, 0.4378, 0.4845

**Deuteranomaly**

57.7320, 0.4570, 0.4670

**Tritanomaly**

56.5316, 0.3939, 0.3906

# Monochromacy



**Original Color**

57.7054, 0.4395, 0.4831

**Achromatopsia**

50.2886, 0.3127, 0.3290

**Achromatomaly**

51.8143, 0.3713, 0.4084

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.7054, 0.4395, 0.4831 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(227, 200, 24)` looks like.

```
.text, #text, p{  
    color:rgb(227, 200, 24)  
}
```

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(227, 200, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 200, 24) }
```

## Border

The CSS property to change the border of an element to Yxy 57.7054, 0.4395, 0.4831 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(227, 200, 24) }
```

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

```
.border{ border-color:rgb(227, 200, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 200, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 200, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 200, 24);  
box-shadow:4px 4px 4px 4px rgb(227, 200,  
24) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.7054, 0.4395, 0.4831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 200, 24) }
```

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

```
.background{ background-color: rgb(227,  
200, 24) }
```

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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