

# Converting Colors

Yxy(57.6889, 0.4626, 0.4441)

Have a look what the booklet for  
Yxy(57.6889, 0.4626, 0.4441)  
contains.

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# Color

**Yxy(57.5422, 0.4629, 0.4439)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBC3B
RGB	255, 188, 59
RGB Percent	100%, 74%, 23%
CMY	0.0001, 0.2627, 0.7686
CMYK	0.00, 0.26, 0.77, 0.00
HSL	40°, 100%, 62%
HSV	40°, 77%, 100%
XYZ	60.0051, 57.5422, 12.0814
YIQ	193.3270, 81.3410, -25.9150

# Conversions

## Conversions Part 2

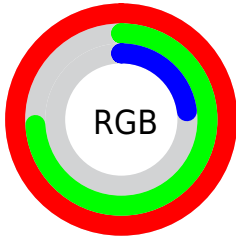
Format	Color
<a href="#">RYB</a>	161, 255, 59
Decimal	16759867
CIELab	80.48, 13.05, 70.25
CIELCh	80, 71.448, 79.474
Yxy	57.5422, 0.4629, 0.4439
Android (android.graphics.Color)	4294949947 (0xFFFFBC3B)
YUV	193.3270, -66.2232, 54.0872
Hunter-Lab	75.8566, 8.4506, 43.6567

# Details

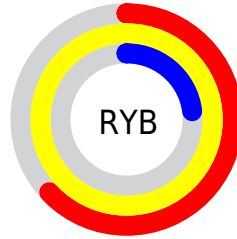
The Yxy color **57.5422, 0.4629, 0.4439** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **23.0581, 0.1845, 0.1558**, and the grayscale version is **53.8938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1992, 0.3976, 0.4521**, and **28.6654, 0.4848, 0.4533** is the 20% darker color. If you saturate the color by 10%, you get **53.7312, 0.4799, 0.4469**, and if you desaturate by 10%, it is **61.7127, 0.4433, 0.4359**.

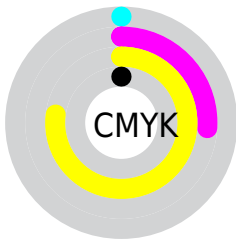
# Distribution



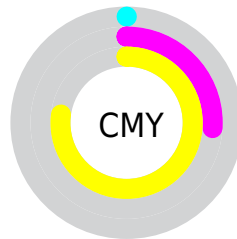
- Red (100%)
- Green (74%)
- Blue (23%)



- Red (63%)
- Yellow (100%)
- Blue (23%)



- Cyan (0%)
- Magenta (26%)
- Yellow (77%)
- Black (0%)




- Cyan (0%)
- Magenta (26%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.5422, 0.4629, 0.4439 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 57.5422, 0.4629, 0.4439 by changing the saturation by 10% instead.




 57.5422, 0.4629,  
0.4439

 57.5422, 0.4629,  
0.4439

415.4779, 0.3963,  
0.3973


 41.4407, 0.4758,  
0.4515


 101.2559, 0.4414,  
0.4299


 28.6636, 0.4901,  
0.4589


 129.6369, 0.4324,  
0.4238


 18.8265, 0.5054,  
0.4652


 162.8799, 0.4246,  
0.4182

 11.5450, 0.5264,  
0.4736

 201.3692, 0.4176,  
0.4132

 6.4347, 0.5346,  
0.4654

 245.4892, 0.4114,  
0.4086

 3.1111, 0.5470,  
0.4530

295.6245, 0.4058,

 1.1900, 0.5681,

0.4045

352.1592, 0.4008,  
0.4007

0.4319

0.0535, 0.8735,  
0.1265

0.0000, 0.0000,  
0.0000

57.5422, 0.4629,  
0.4439

57.5422, 0.4629,  
0.4439

53.7312, 0.4799,  
0.4469

61.7127, 0.4433,  
0.4359

50.2460, 0.4935,  
0.4447


66.2544, 0.4222,  
0.4239

49.2088, 0.4973,  
0.4433

71.1881, 0.4005,  
0.4089

76.5299, 0.3793,  
0.3922

 82.2945, 0.3592,  
0.3747

 88.4958, 0.3405,  
0.3572

 95.1465, 0.3234,  
0.3402

99.9947, 0.3127,  
0.3290

# Harmonies

## Analogous

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



57.5422, 0.4949, 0.3790



57.5422, 0.4629, 0.4439



57.5422, 0.3931, 0.4936

# Triad

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



57.5422, 0.4629, 0.4439



57.5422, 0.1756, 0.3139



57.5422, 0.2953, 0.2150

# Complementary

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



57.5422, 0.4629, 0.4439



23.0581, 0.1845, 0.1558

# 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.



57.5422, 0.2184, 0.1944



57.5422, 0.4629, 0.4439



57.5422, 0.1584, 0.2377

# Square

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



57.5422, 0.4629, 0.4439



57.5422, 0.2276, 0.4171



57.5422, 0.1729, 0.2001



57.5422, 0.3909, 0.2575



# Rectangle

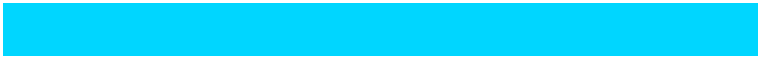
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.5422, 0.4629, 0.4439



57.5422, 0.3364, 0.5007



57.5422, 0.1729, 0.2001



57.5422, 0.2665, 0.2054

# Sweetspot

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



57.5451, 0.4629, 0.4439



84.6566, 0.3518, 0.3679



25.9305, 0.4890, 0.2717



17.6505, 0.3587, 0.3743



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.



57.5451, 0.4629, 0.4439



51.9133, 0.4873, 0.4464



87.9183, 0.3912, 0.5075



19.9842, 0.3278, 0.3446



26.0075, 0.4957, 0.4446



2.7354, 0.4847, 0.4533



# Inverse Universe

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



23.0581, 0.1845, 0.1558



16.5933, 0.1686, 0.1219



12.4404, 0.1795, 0.0944



18.3922, 0.2979, 0.3129



7.5924, 0.1638, 0.1097



0.9328, 0.1700, 0.1320



# Previews

## White Background



This preview shows how the Yxy color 57.5422, 0.4629, 0.4439 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 57.5422, 0.4629, 0.4439 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 57.5422, 0.4629, 0.4439**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.5422, 0.4629, 0.4439.



This preview shows how white text looks on a background with the Yxy color 57.5422, 0.4629, 0.4439.

# 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

57.5422, 0.4629, 0.4439

### Protanopia

57.5036, 0.4261, 0.4688

### Deuteranopia

57.6416, 0.4584, 0.4481



## Tritanopia

57.6641, 0.3689, 0.3177

# Trichromacy



## Original Color

57.5422, 0.4629, 0.4439

## Protanomaly

57.4789, 0.4390, 0.4600

## Deuteranomaly

57.3961, 0.4601, 0.4468

## Tritanomaly

57.1101, 0.4101, 0.3710

# Monochromacy



## Original Color

57.5422, 0.4629, 0.4439

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

53.8741, 0.3716, 0.3851

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.5422, 0.4629, 0.4439 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(255, 188, 59)` looks like.

```
.text, #text, p{  
    color:rgb(255, 188, 59)  
}
```

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(255, 188, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 188, 59) }
```

## Border

The CSS property to change the border of an element to Yxy 57.5422, 0.4629, 0.4439 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(255, 188, 59) }
```

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

```
.border{ border-color:rgb(255, 188, 59) }
```

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

Here you see how a box with a 4 pixel rgb(255, 188, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 188, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 188, 59);  
box-shadow:4px 4px 4px 4px rgb(255, 188,  
59) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.5422, 0.4629, 0.4439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 188, 59) }
```

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

```
.background{ background-color: rgb(255,  
188, 59) }
```

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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