

# Converting Colors

$Yxy(58.4455, 0.4641, 0.4523)$

Have a look what the booklet for  
Yxy(58.4455, 0.4641, 0.4523)  
contains.

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# **Color**

**Yxy(58.5377, 0.4639, 0.4524)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEBF2F
RGB	254, 191, 47
RGB Percent	100%, 75%, 18%
CMY	0.0038, 0.2510, 0.8155
CMYK	0.00, 0.25, 0.81, 0.00
HSL	42°, 99%, 59%
HSV	42°, 81%, 100%
XYZ	60.0257, 58.5377, 10.8303
YIQ	193.4210, 83.7720, -31.4280

# Conversions

## Conversions Part 2

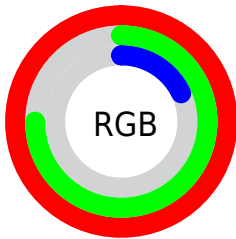
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	138, 254, 47
Decimal	16695087
CIE <sub>Lab</sub>	81.04, 10.72, 74.64
CIE <sub>LCh</sub>	81, 75.404, 81.829
Yxy	58.5377, 0.4639, 0.4524
Android (android.graphics.Color)	4294885167 (0xFFFEBF2F)
YUV	193.4210, -72.1856, 53.1278
Hunter-Lab	76.5099, 6.1495, 45.1642

# Details

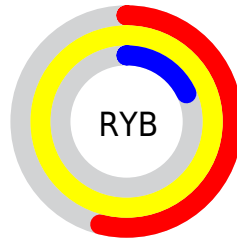
The Yxy color **58.5377, 0.4639, 0.4524** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **18.9357, 0.1764, 0.1355**, and the grayscale version is **53.9923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8221, 0.4002, 0.4611**, and **29.3834, 0.4797, 0.4573** is the 20% darker color. If you saturate the color by 10%, you get **55.1057, 0.4777, 0.4538**, and if you desaturate by 10%, it is **62.2729, 0.4471, 0.4459**.

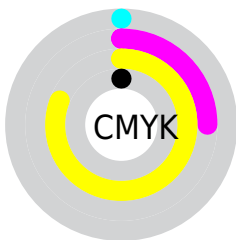
# Distribution



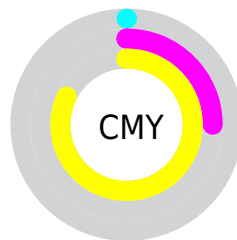
- Red (100%)
- Green (75%)
- Blue (18%)



- Red (54%)
- Yellow (100%)
- Blue (18%)



- Cyan (0%)
- Magenta (25%)
- Yellow (81%)
- Black (0%)




- Cyan (0%)
- Magenta (25%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.5377, 0.4639, 0.4524 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 58.5377, 0.4639, 0.4524 by changing the saturation by 10% instead.





 58.5377, 0.4639,  
0.4524

 58.5377, 0.4639,  
0.4524

419.1865, 0.3982,  
0.4027


 42.2411, 0.4761,  
0.4603

 102.7055, 0.4431,  
0.4377

 29.2901, 0.4892,  
0.4679


 131.3454, 0.4343,  
0.4312


 19.3004, 0.5028,  
0.4743

 164.8685, 0.4266,  
0.4252

 11.8875, 0.5193,  
0.4807

 203.6593, 0.4196,  
0.4198

 6.6671, 0.5259,  
0.4741

 248.1021, 0.4134,  
0.4149

 3.2548, 0.5360,  
0.4640

 298.5813, 0.4078,

 1.2662, 0.5531,

0.4105

0.4469

355.4813, 0.4028,  
0.4064

■ 0.1148, 0.7636,  
0.2364

■ 0.0000, 0.0000,  
0.0000

■ 58.5377, 0.4639,  
0.4524

■ 58.5377, 0.4639,  
0.4524

■ 55.1057, 0.4777,  
0.4538

■ 62.2729, 0.4471,  
0.4459


■ 52.3866, 0.4872,  
0.4514


■ 66.3232, 0.4280,  
0.4350


■ 70.7092, 0.4078,  
0.4205


■ 75.4465, 0.3874,  
0.4037

 80.5492, 0.3674,  
0.3856

 86.0302, 0.3485,  
0.3672

 91.9019, 0.3309,  
0.3490

 98.1755, 0.3149,  
0.3315

 99.8162, 0.3121,  
0.3290

# Harmonies

## Analogous

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



58.5377, 0.5023, 0.3849



58.5377, 0.4639, 0.4524



58.5377, 0.3886, 0.5035

# Triad

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



58.5377, 0.4639, 0.4524



58.5377, 0.1672, 0.3047



58.5377, 0.3016, 0.2132

# Complementary

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



58.5377, 0.4639, 0.4524



18.9357, 0.1764, 0.1355

# 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.



58.5377, 0.2195, 0.1901



58.5377, 0.4639, 0.4524



58.5377, 0.1525, 0.2287

# Square

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



58.5377, 0.4639, 0.4524



58.5377, 0.2178, 0.4133



58.5377, 0.1700, 0.1933



58.5377, 0.4022, 0.2586



# Rectangle

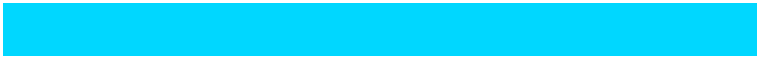
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.5377, 0.4639, 0.4524



58.5377, 0.3292, 0.5086



58.5377, 0.1700, 0.1933



58.5377, 0.2709, 0.2028

# Sweetspot

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



58.5406, 0.4639, 0.4524



85.3449, 0.3531, 0.3718



24.2972, 0.5157, 0.2793



17.8436, 0.3599, 0.3784



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.



58.5406, 0.4639, 0.4524



53.4672, 0.4850, 0.4521



85.7190, 0.3877, 0.5168



20.1020, 0.3277, 0.3455



27.8845, 0.4858, 0.4525



2.9080, 0.4763, 0.4600



# Inverse Universe

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



18.9357, 0.1764, 0.1355



13.1691, 0.1617, 0.1011



11.1269, 0.1763, 0.0866



18.2798, 0.2979, 0.3120



6.8237, 0.1612, 0.1004



0.8473, 0.1674, 0.1224



# Previews

## White Background



This preview shows how the Yxy color 58.5377, 0.4639, 0.4524 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 58.5377, 0.4639, 0.4524 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 58.5377, 0.4639, 0.4524**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.5377, 0.4639, 0.4524.



This preview shows how white text looks on a background with the Yxy color 58.5377, 0.4639, 0.4524.

# 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

58.5377, 0.4639, 0.4524

### Protanopia

58.6401, 0.4305, 0.4758

### Deuteranopia

58.5377, 0.4639, 0.4524



## Tritanopia

58.5662, 0.3667, 0.3177

# Trichromacy



**Original Color**

58.5377, 0.4639, 0.4524

**Protanomaly**

58.4428, 0.4425, 0.4673

**Deuteranomaly**

58.5377, 0.4639, 0.4524

**Tritanomaly**

57.8514, 0.4117, 0.3761

# Monochromacy



**Original Color**

58.5377, 0.4639, 0.4524

**Achromatopsia**

53.3276, 0.3127, 0.3290

**Achromatomaly**

54.0398, 0.3735, 0.3911

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.5377, 0.4639, 0.4524 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(254, 191, 47)` looks like.

```
.text, #text, p{  
    color:rgb(254, 191, 47)  
}
```

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(254, 191, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 191, 47) }
```

## Border

The CSS property to change the border of an element to Yxy 58.5377, 0.4639, 0.4524 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(254, 191, 47) }
```

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

```
.border{ border-color:rgb(254, 191, 47) }
```

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

Here you see how a box with a 4 pixel rgb(254, 191, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 191, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 191, 47);  
box-shadow:4px 4px 4px 4px rgb(254, 191,  
47) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.5377, 0.4639, 0.4524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 191, 47) }
```

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

```
.background{ background-color: rgb(254,  
191, 47) }
```

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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