

# Converting Colors

$Yxy(73.9844, 0.5029, 0.4142)$

Have a look what the booklet for  
Yxy(73.9844, 0.5029, 0.4142)  
contains.

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# Color

**Yxy(58.9269, 0.4568, 0.4421)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBF43
RGB	255, 191, 67
RGB Percent	100%, 75%, 26%
CMY	0.0000, 0.2510, 0.7372
CMYK	0.00, 0.25, 0.74, 0.00
HSL	40°, 100%, 63%
HSV	40°, 74%, 100%
XYZ	60.8862, 58.9269, 13.4755
YIQ	196.0000, 77.9480, -24.9960

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">164, 255, 67</a>
Decimal	<a href="#">16760643</a>
CIELab	<a href="#">81.25, 11.83, 68.01</a>
CIELCh	<a href="#">81, 69.028, 80.130</a>
Yxy	<a href="#">58.9269, 0.4568, 0.4421</a>
Android (android.graphics.Color)	<a href="#">4294950723</a> (0xFFFFBF43)
YUV	<a href="#">196.0000, -63.5970, 51.7430</a>
Hunter-Lab	<a href="#">76.7639, 7.2428, 43.3267</a>

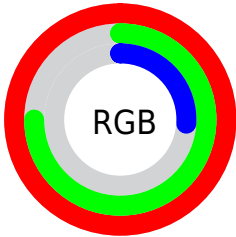
# Details

The Yxy color **58.9269, 0.4568, 0.4421** is a light color, and the websafe version is hex **FFCC33**.

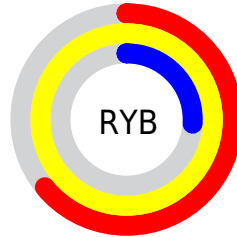
The color can be described as light washed orange. A complement of this color would be **24.6468, 0.1886, 0.1632**, and the grayscale version is **55.5567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1867, 0.3926, 0.4488**, and **29.6463, 0.4817, 0.4557** is the 20% darker color. If you saturate the color by 10%, you get **55.0119, 0.4746, 0.4468**, and if you desaturate by 10%, it is **63.2039, 0.4366, 0.4327**.

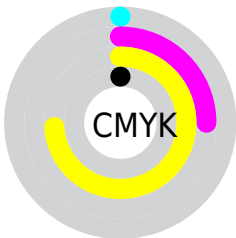
# Distribution



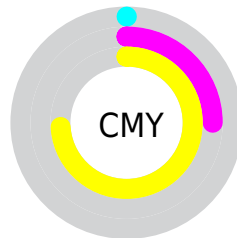
- Red (100%)
- Green (75%)
- Blue (26%)



- Red (64%)
- Yellow (100%)
- Blue (26%)



- Cyan (0%)
- Magenta (25%)
- Yellow (74%)
- Black (0%)




- Cyan (0%)
- Magenta (25%)
- Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.9269, 0.4568, 0.4421 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 58.9269, 0.4568, 0.4421 by changing the saturation by 10% instead.





 58.9269, 0.4568,  
0.4421

 58.9269, 0.4568,  
0.4421


420.6310, 0.3927,  
0.3955

 42.5543, 0.4694,  
0.4500


 103.2714, 0.4359,  
0.4279


 29.5356, 0.4835,  
0.4581


 132.0121, 0.4274,  
0.4218


 19.4863, 0.4988,  
0.4654

 165.6442, 0.4198,  
0.4162

 12.0222, 0.5179,  
0.4735

 204.5523, 0.4131,  
0.4112

 6.7588, 0.5296,  
0.4704

 249.1206, 0.4071,  
0.4067

 3.3117, 0.5405,  
0.4595

299.7335, 0.4018,

 1.2966, 0.5590,

0.4026

0.4410

356.7755, 0.3970,  
0.3989

0.1385, 0.7522,  
0.2478

0.0000, 0.0000,  
0.0000

58.9269, 0.4568,  
0.4421

58.9269, 0.4568,  
0.4421

55.0119, 0.4746,  
0.4468

63.2039, 0.4366,  
0.4327

51.4314, 0.4893,  
0.4462

67.8580, 0.4153,  
0.4196

49.3367, 0.4970,  
0.4436

72.9077, 0.3937,  
0.4040

78.3687, 0.3728,  
0.3869

84.2553, 0.3531,  
0.3692

90.5812, 0.3349,  
0.3518

97.3588, 0.3184,  
0.3350

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



58.9269, 0.4878, 0.3798



58.9269, 0.4568, 0.4421



58.9269, 0.3893, 0.4880

# Triad

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



58.9269, 0.4568, 0.4421



58.9269, 0.1798, 0.3130



58.9269, 0.2981, 0.2195

# Complementary

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



58.9269, 0.4568, 0.4421



24.6468, 0.1886, 0.1632

# 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.



58.9269, 0.2232, 0.1991



58.9269, 0.4568, 0.4421



58.9269, 0.1634, 0.2403

# Square

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



58.9269, 0.4568, 0.4421



58.9269, 0.2297, 0.4110



58.9269, 0.1782, 0.2043



58.9269, 0.3898, 0.2612



# Rectangle

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



58.9269, 0.4568, 0.4421



58.9269, 0.3345, 0.4928



58.9269, 0.1782, 0.2043



58.9269, 0.2702, 0.2100

# Sweetspot

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



58.9284, 0.4568, 0.4421



85.3137, 0.3499, 0.3662



26.9631, 0.4783, 0.2717



17.9054, 0.3550, 0.3710



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.



58.9284, 0.4568, 0.4421



53.4410, 0.4813, 0.4471



88.2239, 0.3900, 0.5031



19.9881, 0.3278, 0.3446



26.0676, 0.4954, 0.4449



2.7410, 0.4845, 0.4535



# Inverse Universe

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



24.6468, 0.1886, 0.1632



18.0184, 0.1720, 0.1299



13.6789, 0.1845, 0.1018



18.3885, 0.2979, 0.3129



7.5653, 0.1637, 0.1093



0.9298, 0.1699, 0.1317



# Previews

## White Background



This preview shows how the Yxy color 58.9269, 0.4568, 0.4421 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 58.9269, 0.4568, 0.4421 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 58.9269, 0.4568, 0.4421**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.9269, 0.4568, 0.4421.



This preview shows how white text looks on a background with the Yxy color 58.9269, 0.4568, 0.4421.

# 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

58.9269, 0.4568, 0.4421

### Protanopia

59.3228, 0.4220, 0.4651

### Deuteranopia

58.9872, 0.4544, 0.4439



## Tritanopia

59.0220, 0.3655, 0.3177

# Trichromacy



## Original Color

58.9269, 0.4568, 0.4421

## Protanomaly

59.2810, 0.4347, 0.4567

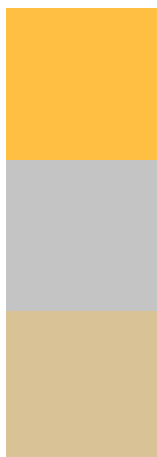
## Deuteranomaly

59.1754, 0.4551, 0.4435

## Tritanomaly

58.5159, 0.4045, 0.3690

# Monochromacy



## Original Color

58.9269, 0.4568, 0.4421

## Achromatopsia

55.2011, 0.3127, 0.3290

## Achromatomaly

55.5052, 0.3674, 0.3823

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.9269, 0.4568, 0.4421 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, 191, 67)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 67)  
}
```

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, 191, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 67) }
```

## Border

The CSS property to change the border of an element to Yxy 58.9269, 0.4568, 0.4421 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, 191, 67) }
```

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

```
.border{ border-color:rgb(255, 191, 67) }
```

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

Here you see how a box with a 4 pixel rgb(255, 191, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 67);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
67) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.9269, 0.4568, 0.4421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 191, 67) }
```

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

```
.background{ background-color: rgb(255,  
191, 67) }
```

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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