

# Converting Colors

$Yxy(68.0505, 0.4434, 0.4623)$

Have a look what the booklet for  
Yxy(68.0505, 0.4434, 0.4623)  
contains.

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# **Color**

**Yxy(68.1643, 0.4434, 0.4626)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD33B
RGB	255, 211, 59
RGB Percent	100%, 83%, 23%
CMY	0.0000, 0.1726, 0.7686
CMYK	0.00, 0.17, 0.77, 0.00
HSL	47°, 100%, 62%
HSV	47°, 77%, 100%
XYZ	65.3352, 68.1643, 13.8509
YIQ	206.8280, 75.0160, -37.9440

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	116, 255, 59
Decimal	16765755
CIE Lab	86.09, 1.24, 75.43
CIE LCh	86, 75.439, 89.062
Yxy	68.1643, 0.4434, 0.4626
Android (android.graphics.Color)	4294955835 (0xFFFFD33B)
YUV	206.8280, -72.8792, 42.2468
Hunter-Lab	82.5617, -3.2270, 47.8464

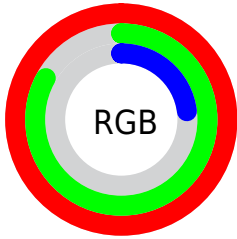
# Details

The Yxy color **68.1643, 0.4434, 0.4626** 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 **17.8531, 0.1773, 0.1282**, and the grayscale version is **62.7184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0644, 0.3912, 0.4588**, and **35.5833, 0.4577, 0.4748** is the 20% darker color. If you saturate the color by 10%, you get **65.1622, 0.4553, 0.4678**, and if you desaturate by 10%, it is **71.3877, 0.4287, 0.4527**.

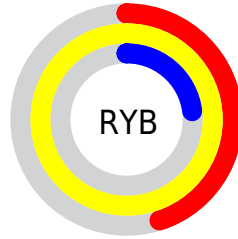
# Distribution



Red (100%)

Green (83%)

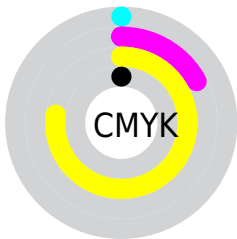
Blue (23%)



Red (45%)

Yellow (100%)

Blue (23%)

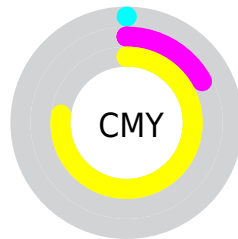


Cyan (0%)

Magenta (17%)

Yellow (77%)

Black (0%)



Cyan (0%)

Magenta (17%)


Yellow (77%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.1643, 0.4434, 0.4626 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 68.1643, 0.4434, 0.4626 by changing the saturation by 10% instead.




 68.1643, 0.4434,  
0.4626

 68.1643, 0.4434,  
0.4626

454.0779, 0.3887,  
0.4071

 50.0314, 0.4532,  
0.4724

 116.5872, 0.4264,  
0.4455


 35.4384, 0.4637,  
0.4828


 147.6459, 0.4192,  
0.4381


 24.0007, 0.4743,  
0.4931


 183.7821, 0.4127,  
0.4316

 15.3342, 0.4862,  
0.5045

 225.3801, 0.4068,  
0.4256

 9.0543, 0.4914,  
0.5086

 272.8242, 0.4016,  
0.4203

 4.7766, 0.4924,  
0.5076

326.4990, 0.3969,

 2.1168, 0.4940,

0.4155

0.5060

386.7888, 0.3926,  
0.4111

0.6740, 0.4988,  
0.5012

0.0000, 0.0000,  
0.0000

68.1643, 0.4434,  
0.4626

68.1643, 0.4434,  
0.4626

65.1622, 0.4553,  
0.4678

71.3877, 0.4287,  
0.4527

62.3729, 0.4641,  
0.4682

74.8638, 0.4119,  
0.4387

61.5303, 0.4666,  
0.4677

78.6029, 0.3939,  
0.4216

82.6187, 0.3754,  
0.4024

86.9232, 0.3572,  
0.3823

91.5278, 0.3397,  
0.3620

96.4429, 0.3233,  
0.3421

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.



68.1643, 0.4898, 0.4000



68.1643, 0.4434, 0.4626



68.1643, 0.3664, 0.5004

# Triad

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



68.1643, 0.4434, 0.4626



68.1643, 0.1667, 0.2854



68.1643, 0.3250, 0.2266

# Complementary

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



68.1643, 0.4434, 0.4626



17.8531, 0.1773, 0.1282

# 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.



68.1643, 0.2399, 0.1985



68.1643, 0.4434, 0.4626



68.1643, 0.1599, 0.2219

# Square

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



68.1643, 0.4434, 0.4626



68.1643, 0.2074, 0.3836



68.1643, 0.1842, 0.1954



68.1643, 0.4198, 0.2747



# Rectangle

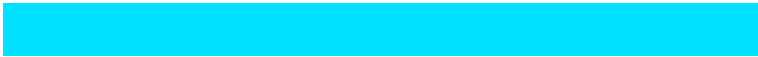
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.1643, 0.4434, 0.4626



68.1643, 0.3085, 0.4921



68.1643, 0.1842, 0.1954



68.1643, 0.2941, 0.2147

# Sweetspot

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



68.1598, 0.4434, 0.4626



88.6650, 0.3503, 0.3745



25.4029, 0.5239, 0.2935



18.6289, 0.3567, 0.3818



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.



68.1598, 0.4434, 0.4626



63.7045, 0.4602, 0.4686



84.4951, 0.3753, 0.5189



20.3581, 0.3275, 0.3473



32.3849, 0.4656, 0.4685



3.3149, 0.4592, 0.4736



# Inverse Universe

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



17.8531, 0.1773, 0.1282



12.1482, 0.1611, 0.0944



13.7454, 0.1929, 0.1012



18.0392, 0.2979, 0.3100



5.4963, 0.1566, 0.0836



0.6899, 0.1621, 0.1036



# Previews

## White Background



This preview shows how the Yxy color 68.1643, 0.4434, 0.4626 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 68.1643, 0.4434, 0.4626 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 68.1643, 0.4434, 0.4626**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.1643, 0.4434, 0.4626.



This preview shows how white text looks on a background with the Yxy color 68.1643, 0.4434, 0.4626.

# 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

68.1643, 0.4434, 0.4626

### Protanopia

68.3152, 0.4290, 0.4728

### Deuteranopia

68.0930, 0.4046, 0.4046



## Tritanopia

67.8374, 0.3463, 0.3168

# Trichromacy



## Original Color

68.1643, 0.4434, 0.4626

## Protanomaly

68.1935, 0.4344, 0.4686

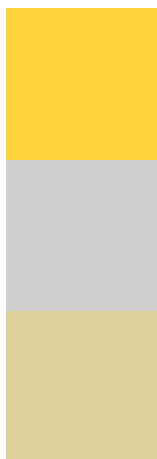
## Deuteranomaly

67.9225, 0.4218, 0.4296

## Tritanomaly

67.3570, 0.3890, 0.3789

# Monochromacy



## Original Color

68.1643, 0.4434, 0.4626

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

63.2590, 0.3655, 0.3916

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.1643, 0.4434, 0.4626 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, 211, 59)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 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, 211, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 59) }
```

## Border

The CSS property to change the border of an element to Yxy 68.1643, 0.4434, 0.4626 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, 211, 59) }
```

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

```
.border{ border-color:rgb(255, 211, 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, 211, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 59);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
59) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.1643, 0.4434, 0.4626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 211, 59) }
```

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

```
.background{ background-color: rgb(255,  
211, 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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