

# Converting Colors

Yxy(63.6024, 0.4384, 0.4511)

Have a look what the booklet for  
Yxy(63.6024, 0.4384, 0.4511)  
contains.

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# Color

**Yxy(63.8199, 0.4382, 0.4518)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9CC4A
RGB	249, 204, 74
RGB Percent	98%, 80%, 29%
CMY	0.0235, 0.2000, 0.7097
CMYK	0.00, 0.18, 0.70, 0.02
HSL	45°, 94%, 63%
HSV	45°, 70%, 98%
XYZ	61.8988, 63.8199, 15.5383
YIQ	202.6350, 68.5500, -30.8900

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	135, 249, 74
Decimal	16370762
CIE Lab	83.87, 2.91, 67.68
CIE LCh	84, 67.741, 87.535
Yxy	63.8199, 0.4382, 0.4518
Android (android.graphics.Color)	4294560842 (0xFFF9CC4A)
YUV	202.6350, -63.4171, 40.6621
Hunter-Lab	79.8874, -1.4964, 44.3891

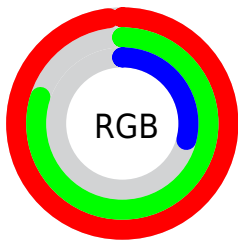
# Details

The Yxy color **63.8199, 0.4382, 0.4518** is a light color, and the websafe version is hex **FFCC33**.

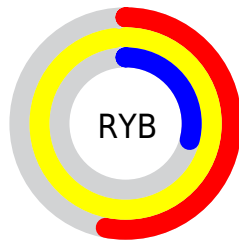
The color can be described as light washed yellow. A complement of this color would be **21.4979, 0.1889, 0.1531**, and the grayscale version is **59.8568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3650, 0.3855, 0.4493**, and **32.6359, 0.4609, 0.4715** is the 20% darker color. If you saturate the color by 10%, you get **60.5688, 0.4533, 0.4597**, and if you desaturate by 10%, it is **67.3352, 0.4208, 0.4396**.

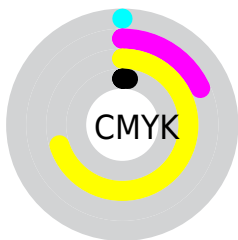
# Distribution



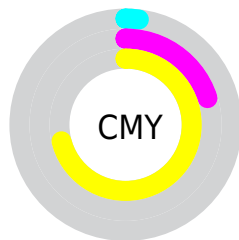
- Red (98%)
- Green (80%)
- Blue (29%)



- Red (53%)
- Yellow (98%)
- Blue (29%)



- Cyan (0%)
- Magenta (18%)
- Yellow (70%)
- Black (2%)




- Cyan (2%)
- Magenta (20%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8199, 0.4382, 0.4518 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 63.8199, 0.4382, 0.4518 by changing the saturation by 10% instead.




 63.8199, 0.4382,  
0.4518


 63.8199, 0.4382,  
0.4518


438.5390, 0.3836,  
0.3993

 46.5048, 0.4487,  
0.4615


 110.3515, 0.4207,  
0.4352


 32.6444, 0.4602,  
0.4721


 140.3369, 0.4134,  
0.4282

 21.8541, 0.4726,  
0.4831


 175.3144, 0.4069,  
0.4220

 13.7498, 0.4858,  
0.4942

 215.6685, 0.4012,  
0.4165

 7.9468, 0.4974,  
0.5026

 261.7837, 0.3961,  
0.4115

 4.0609, 0.4999,  
0.5001

314.0442, 0.3915,

 1.7077, 0.5041,

0.4070

0.4959

372.8345, 0.3874,  
0.4030

■ 0.4286, 0.5275,  
0.4725

■ 0.0000, 0.0000,  
0.0000

■ 63.8199, 0.4382,  
0.4518

■ 63.8199, 0.4382,  
0.4518

■ 60.5688, 0.4533,  
0.4597

■ 67.3352, 0.4208,  
0.4396


■ 57.5543, 0.4655,  
0.4627


■ 71.1208, 0.4021,  
0.4239


■ 54.8239, 0.4747,  
0.4613


■ 75.1934, 0.3829,  
0.4060

■ 79.5655, 0.3640,  
0.3868

 84.2483, 0.3458,  
0.3673

 89.2525, 0.3288,  
0.3480

 94.5880, 0.3131,  
0.3295

 98.8813, 0.3090,  
0.3290

# Harmonies

## Analogous

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



63.8199, 0.4778, 0.3942



63.8199, 0.4382, 0.4518



63.8199, 0.3681, 0.4858

# Triad

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



63.8199, 0.4382, 0.4518



63.8199, 0.1779, 0.2939



63.8199, 0.3201, 0.2317

# Complementary

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



63.8199, 0.4382, 0.4518



21.4979, 0.1889, 0.1531

# 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.



63.8199, 0.2422, 0.2064



63.8199, 0.4382, 0.4518



63.8199, 0.1695, 0.2324

# Square

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



63.8199, 0.4382, 0.4518



63.8199, 0.2185, 0.3841



63.8199, 0.1910, 0.2051



63.8199, 0.4071, 0.2764



# Rectangle

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



63.8199, 0.4382, 0.4518



63.8199, 0.3144, 0.4790



63.8199, 0.1910, 0.2051



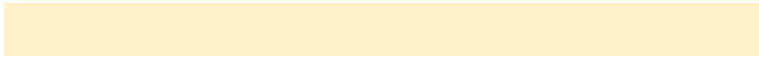
63.8199, 0.2918, 0.2208

# Sweetspot

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



63.8230, 0.4382, 0.4518



88.5433, 0.3471, 0.3687



26.4150, 0.4882, 0.2869



18.6537, 0.3521, 0.3741



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.



63.8230, 0.4382, 0.4518



62.6845, 0.4584, 0.4614



81.6872, 0.3779, 0.5046



19.3906, 0.3275, 0.3465



29.5853, 0.4736, 0.4622



2.9105, 0.4656, 0.4685



# Inverse Universe

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



21.4979, 0.1889, 0.1531



16.0334, 0.1705, 0.1182



15.3759, 0.1998, 0.1155



17.3686, 0.2979, 0.3108



5.8189, 0.1584, 0.0901



0.7020, 0.1645, 0.1122



# Previews

## White Background



This preview shows how the Yxy color 63.8199, 0.4382, 0.4518 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 63.8199, 0.4382, 0.4518 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 63.8199, 0.4382, 0.4518**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.8199, 0.4382, 0.4518.



This preview shows how white text looks on a background with the Yxy color 63.8199, 0.4382, 0.4518.

# 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

63.8199, 0.4382, 0.4518

### Protanopia

64.1074, 0.4207, 0.4628

### Deuteranopia

63.6301, 0.4276, 0.4215



## Tritanopia

63.8562, 0.3533, 0.3157

# Trichromacy



**Original Color**

63.8199, 0.4382, 0.4518

**Protanomaly**

63.9705, 0.4267, 0.4593

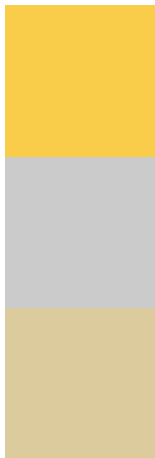
**Deuteranomaly**

63.4822, 0.4327, 0.4328

**Tritanomaly**

63.2838, 0.3898, 0.3701

# Monochromacy



**Original Color**

63.8199, 0.4382, 0.4518

**Achromatopsia**

59.7202, 0.3127, 0.3290

**Achromatomaly**

60.3278, 0.3616, 0.3835

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.8199, 0.4382, 0.4518 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(249, 204, 74)` looks like.

```
.text, #text, p{  
    color:rgb(249, 204, 74)  
}
```

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(249, 204, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 204, 74) }
```

## Border

The CSS property to change the border of an element to Yxy 63.8199, 0.4382, 0.4518 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(249, 204, 74) }
```

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

```
.border{ border-color:rgb(249, 204, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 204, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 204, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 204, 74);  
box-shadow:4px 4px 4px 4px rgb(249, 204,  
74) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.8199, 0.4382, 0.4518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 204, 74) }
```

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

```
.background{ background-color: rgb(249,  
204, 74) }
```

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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