

# Converting Colors

$Yxy(64.9627, 0.4221, 0.4324)$

Have a look what the booklet for  
Yxy(64.9627, 0.4221, 0.4324)  
contains.

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# Color

**Yxy(64.7617, 0.4226, 0.4323)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9CD66
RGB	249, 205, 102
RGB Percent	98%, 80%, 40%
CMY	0.0234, 0.1961, 0.5999
CMYK	0.00, 0.18, 0.59, 0.02
HSL	42°, 93%, 69%
HSV	42°, 59%, 98%
XYZ	63.3086, 64.7617, 21.7370
YIQ	206.4140, 59.2870, -22.7050

# Conversions

## Conversions Part 2

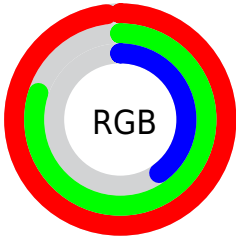
Format	Color
R <sub>Y</sub> B	165, 249, 102
Decimal	16371046
CIE Lab	84.36, 4.07, 56.15
CIE LCh	84, 56.293, 85.852
Yxy	64.7617, 0.4226, 0.4323
Android (android.graphics.Color)	4294561126 (0xFFF9CD66)
YUV	206.4140, -51.4761, 37.3479
Hunter-Lab	80.4747, -0.4066, 40.3174

# Details

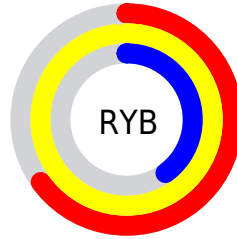
The Yxy color **64.7617, 0.4226, 0.4323** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **30.2469, 0.2096, 0.1928**, and the grayscale version is **62.3136, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1803, 0.3712, 0.4256**, and **33.1738, 0.4444, 0.4521** is the 20% darker color. If you saturate the color by 10%, you get **60.8574, 0.4418, 0.4443**, and if you desaturate by 10%, it is **68.9908, 0.4024, 0.4171**.

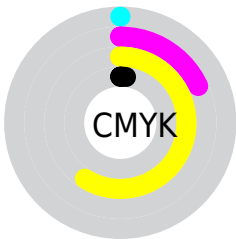
# Distribution



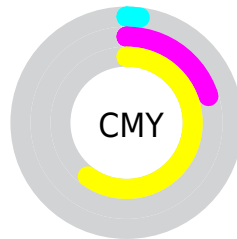
- Red (98%)
- Green (80%)
- Blue (40%)



- Red (65%)
- Yellow (98%)
- Blue (40%)



- Cyan (0%)
- Magenta (18%)
- Yellow (59%)
- Black (2%)




- Cyan (2%)
- Magenta (20%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.7617, 0.4226, 0.4323 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 64.7617, 0.4226, 0.4323 by changing the saturation by 10% instead.



 64.7617, 0.4226,  
0.4323

 64.7617, 0.4226,  
0.4323


441.9351, 0.3732,  
0.3869


 47.2679, 0.4328,  
0.4414

 111.7072, 0.4062,  
0.4174


 33.2475, 0.4447,  
0.4518

 141.9276, 0.3995,  
0.4114

 22.3161, 0.4584,  
0.4634

 177.1591, 0.3937,  
0.4060

 14.0893, 0.4737,  
0.4757

 217.7859, 0.3886,  
0.4013

 8.1828, 0.4947,  
0.4923

264.1926, 0.3841,  
0.3971

 4.2122, 0.5047,  
0.4953

316.7634, 0.3801,

 1.7929, 0.5103,

0.3933

0.4897

375.8828, 0.3765,  
0.3899

■ 0.4828, 0.5363,  
0.4637

■ 0.0000, 0.0000,  
0.0000

■ 64.7617, 0.4226,  
0.4323

■ 64.7617, 0.4226,  
0.4323

■ 60.8574, 0.4418,  
0.4443

■ 68.9908, 0.4024,  
0.4171

■ 57.2526, 0.4590,  
0.4521

■ 73.5499, 0.3821,  
0.3998

■ 53.9317, 0.4734,  
0.4548

■ 78.4549, 0.3625,  
0.3814

■ 50.8678, 0.4847,  
0.4528

■ 83.7182, 0.3440,  
0.3629

50.5834, 0.4858,  
0.4525

89.3509, 0.3269,  
0.3447

95.3637, 0.3113,  
0.3274

98.8877, 0.3090,  
0.3290

# Harmonies

## Analogous

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



64.7617, 0.4518, 0.3847



64.7617, 0.4226, 0.4323



64.7617, 0.3654, 0.4581

# Triad

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



64.7617, 0.4226, 0.4323



64.7617, 0.1997, 0.3053



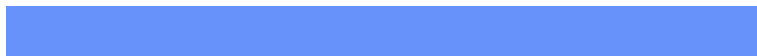
64.7617, 0.3156, 0.2443

# Complementary

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



64.7617, 0.4226, 0.4323



30.2469, 0.2096, 0.1928

# 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.



64.7617, 0.2507, 0.2235



64.7617, 0.4226, 0.4323



64.7617, 0.1900, 0.2510

# Square

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



64.7617, 0.4226, 0.4323



64.7617, 0.2372, 0.3788



64.7617, 0.2074, 0.2245



64.7617, 0.3874, 0.2826



# Rectangle

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



64.7617, 0.4226, 0.4323



64.7617, 0.3202, 0.4521



64.7617, 0.2074, 0.2245



64.7617, 0.2922, 0.2352

# Sweetspot

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



64.7648, 0.4226, 0.4323



88.9254, 0.3422, 0.3610



31.7325, 0.4396, 0.2845



18.6764, 0.3474, 0.3664



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.



64.7648, 0.4226, 0.4323



63.4116, 0.4455, 0.4463



83.8968, 0.3756, 0.4797



19.2611, 0.3276, 0.3455



27.3265, 0.4844, 0.4536



2.7162, 0.4747, 0.4612



# Inverse Universe

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



30.2469, 0.2096, 0.1928



24.1638, 0.1901, 0.1605



21.2069, 0.2164, 0.1467



17.4907, 0.2979, 0.3119



6.5421, 0.1610, 0.0994



0.7827, 0.1674, 0.1225



# Previews

## White Background



This preview shows how the Yxy color 64.7617, 0.4226, 0.4323 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 64.7617, 0.4226, 0.4323 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 64.7617, 0.4226, 0.4323**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.7617, 0.4226, 0.4323.



This preview shows how white text looks on a background with the Yxy color 64.7617, 0.4226, 0.4323.

# 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

64.7617, 0.4226, 0.4323

### Protanopia

64.9116, 0.4046, 0.4422

### Deuteranopia

64.8571, 0.4176, 0.4120



## Tritanopia

64.8443, 0.3513, 0.3157

# Trichromacy



## Original Color

64.7617, 0.4226, 0.4323

## Protanomaly

64.9309, 0.4113, 0.4389

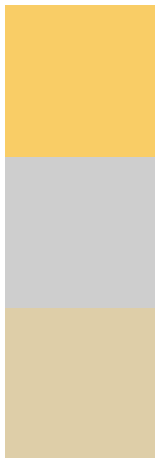
## Deuteranomaly

64.7868, 0.4201, 0.4198

## Tritanomaly

64.5941, 0.3802, 0.3607

# Monochromacy



## Original Color

64.7617, 0.4226, 0.4323

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

62.4994, 0.3533, 0.3726

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.7617, 0.4226, 0.4323 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, 205, 102)` looks like.

```
.text, #text, p{  
    color:rgb(249, 205, 102)  
}
```

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, 205, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 205, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 64.7617, 0.4226, 0.4323 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, 205, 102) }
```

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

```
.border{ border-color:rgb(249, 205, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 205, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 205, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 205, 102);  
box-shadow:4px 4px 4px 4px rgb(249, 205,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.7617, 0.4226, 0.4323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 205, 102) }
```

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

```
.background{ background-color: rgb(249,  
205, 102) }
```

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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