

# Converting Colors

$Y_{xy}(64.2679, 0.4113, 0.4181)$

Have a look what the booklet for  
Yxy(64.2679, 0.4113, 0.4181)  
contains.

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# Color

**Yxy(64.2679, 0.4113, 0.4181)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7CC76
RGB	247, 204, 118
RGB Percent	97%, 80%, 46%
CMY	0.0314, 0.2000, 0.5371
CMYK	0.00, 0.17, 0.52, 0.03
HSL	40°, 89%, 72%
HSV	40°, 52%, 97%
XYZ	63.2226, 64.2679, 26.2236
YIQ	207.0530, 53.2340, -17.6300

# Conversions

## Conversions Part 2

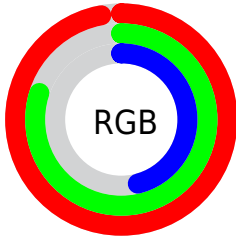
Format	Color
R <sub>Y</sub> B	183, 247, 118
Decimal	16239734
CIE Lab	84.11, 4.98, 48.16
CIE LCh	84, 48.417, 84.101
Yxy	64.2679, 0.4113, 0.4181
Android (android.graphics.Color)	4294429814 (0xFFFF7CC76)
YUV	207.0530, -43.9031, 35.0335
Hunter-Lab	80.1673, 0.4785, 36.7226

# Details

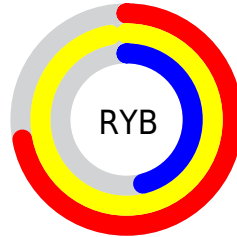
The Yxy color **64.2679, 0.4113, 0.4181** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **36.0717, 0.2229, 0.2172**, and the grayscale version is **62.6993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7586, 0.3620, 0.4105**, and **32.9093, 0.4325, 0.4358** is the 20% darker color. If you saturate the color by 10%, you get **59.9464, 0.4325, 0.4318**, and if you desaturate by 10%, it is **68.9563, 0.3900, 0.4020**.

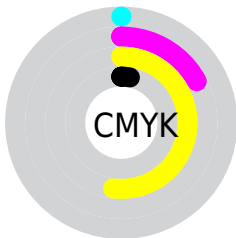
# Distribution



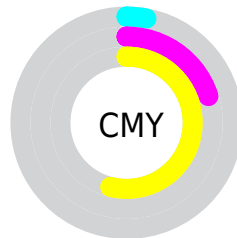
- Red (97%)
- Green (80%)
- Blue (46%)



- Red (72%)
- Yellow (97%)
- Blue (46%)



- Cyan (0%)
- Magenta (17%)
- Yellow (52%)
- Black (3%)




- Cyan (3%)
- Magenta (20%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.2679, 0.4113, 0.4181 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 64.2679, 0.4113, 0.4181 by changing the saturation by 10% instead.





 64.2679, 0.4113,  
0.4181


 64.2679, 0.4113,  
0.4181

440.1564, 0.3661,  
0.3782


 46.8677, 0.4211,  
0.4264


 110.9967, 0.3960,  
0.4048

 32.9311, 0.4327,  
0.4361


 141.0940, 0.3899,  
0.3995

 22.0736, 0.4466,  
0.4474


 176.1925, 0.3846,  
0.3948

 13.9110, 0.4630,  
0.4601

216.6766, 0.3800,  
0.3907

 8.0588, 0.4823,  
0.4739

262.9306, 0.3759,  
0.3870

 4.1326, 0.5086,  
0.4914

315.3390, 0.3723,

 1.7480, 0.5155,

0.3838

0.4845

374.2862, 0.3690,  
0.3809

0.4545, 0.5491,  
0.4509

0.0000, 0.0000,  
0.0000

64.2679, 0.4113,  
0.4181

64.2679, 0.4113,  
0.4181

59.9464, 0.4325,  
0.4318

68.9563, 0.3900,  
0.4020

55.9672, 0.4526,  
0.4420


74.0164, 0.3695,  
0.3847


52.3159, 0.4705,  
0.4476

79.4642, 0.3501,  
0.3669


48.9721, 0.4853,  
0.4480

85.3120, 0.3323,  
0.3494

 46.5583, 0.4949,  
0.4452

 91.5710, 0.3161,  
0.3326

 97.5070, 0.3078,  
0.3275

 98.5143, 0.3078,  
0.3290

# Harmonies

## Analogous

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



64.2679, 0.4337, 0.3769



64.2679, 0.4113, 0.4181



64.2679, 0.3631, 0.4398

# Triad

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



64.2679, 0.4113, 0.4181



64.2679, 0.2151, 0.3130



64.2679, 0.3121, 0.2530

# Complementary

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



64.2679, 0.4113, 0.4181



36.0717, 0.2229, 0.2172

# 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.



64.2679, 0.2561, 0.2356



64.2679, 0.4113, 0.4181



64.2679, 0.2046, 0.2640

# Square

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



64.2679, 0.4113, 0.4181



64.2679, 0.2502, 0.3754



64.2679, 0.2188, 0.2383



64.2679, 0.3739, 0.2864



# Rectangle

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



64.2679, 0.4113, 0.4181



64.2679, 0.3239, 0.4349



64.2679, 0.2188, 0.2383



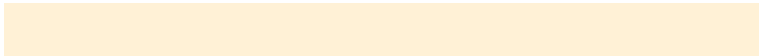
64.2679, 0.2920, 0.2451

# Sweetspot

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



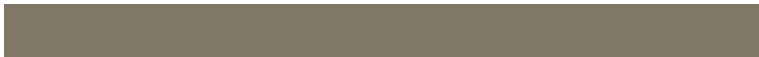
64.2710, 0.4113, 0.4181



89.2712, 0.3389, 0.3560



35.3909, 0.4094, 0.2815



18.8300, 0.3426, 0.3596



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.



64.2710, 0.4113, 0.4181



64.0526, 0.4343, 0.4329



84.2686, 0.3749, 0.4617



18.3283, 0.3277, 0.3447



24.8950, 0.4933, 0.4465

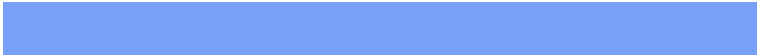


2.3765, 0.4817, 0.4558



# Inverse Universe

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



36.0717, 0.2229, 0.2172



30.7702, 0.2044, 0.1890



25.0323, 0.2247, 0.1672



16.8294, 0.2980, 0.3128



7.0037, 0.1633, 0.1078



0.7969, 0.1702, 0.1326



# Previews

## White Background



This preview shows how the Yxy color 64.2679, 0.4113, 0.4181 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

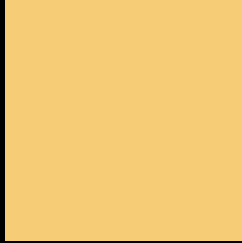
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.2679, 0.4113, 0.4181 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 64.2679, 0.4113, 0.4181**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.2679, 0.4113, 0.4181.



This preview shows how white text looks on a background with the Yxy color 64.2679, 0.4113, 0.4181.

# 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

64.2679, 0.4113, 0.4181

### Protanopia

64.2722, 0.3927, 0.4273

### Deuteranopia

64.4384, 0.4168, 0.4092



## Tritanopia

63.9540, 0.3516, 0.3137

# Trichromacy



**Original Color**

64.2679, 0.4113, 0.4181

**Protanomaly**

64.2765, 0.3994, 0.4245

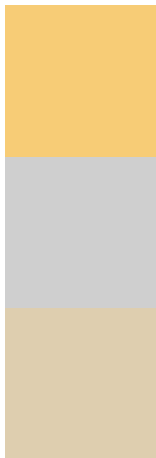
**Deuteranomaly**

64.3170, 0.4145, 0.4120

**Tritanomaly**

63.7231, 0.3752, 0.3523

# Monochromacy



**Original Color**

64.2679, 0.4113, 0.4181

**Achromatopsia**

62.3960, 0.3127, 0.3290

**Achromatomaly**

62.7674, 0.3480, 0.3645

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.2679, 0.4113, 0.4181 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(247, 204, 118)` looks like.

```
.text, #text, p{  
    color:rgb(247, 204, 118)  
}
```

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(247, 204, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 204, 118) }
```

## Border

The CSS property to change the border of an element to Yxy 64.2679, 0.4113, 0.4181 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(247, 204, 118) }
```

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

```
.border{ border-color:rgb(247, 204, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 204, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 204, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 204, 118);  
box-shadow:4px 4px 4px 4px rgb(247, 204,  
118) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.2679, 0.4113, 0.4181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 204, 118) }
```

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

```
.background{ background-color: rgb(247,  
204, 118) }
```

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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