

# Converting Colors

$Yxy(78.0897, 0.4486, 0.4032)$

Have a look what the booklet for  
Yxy(78.0897, 0.4486, 0.4032)  
contains.

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# Color

**Yxy(68.2414, 0.4130, 0.4175)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD179
RGB	255, 209, 121
RGB Percent	100%, 82%, 47%
CMY	0.0000, 0.1804, 0.5255
CMYK	0.00, 0.18, 0.53, 0.00
HSL	39°, 100%, 74%
HSV	39°, 53%, 100%
XYZ	67.5059, 68.2414, 27.7052
YIQ	212.7220, 55.6640, -17.6160

# Conversions

## Conversions Part 2

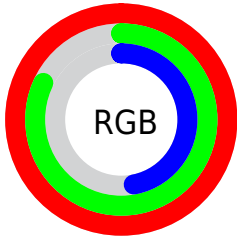
Format	Color
<b>RYB</b>	191, 255, 121
Decimal	16765305
CIELab	86.13, 5.90, 49.35
CIELCh	86, 49.698, 83.178
Yxy	68.2414, 0.4130, 0.4175
Android (android.graphics.Color)	4294955385 (0xFFFFD179)
YUV	212.7220, -45.2189, 37.0778
Hunter-Lab	82.6084, 1.3019, 37.9412

# Details

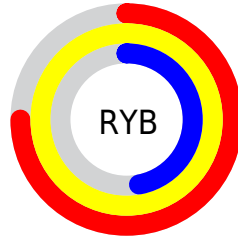
The Yxy color **68.2414, 0.4130, 0.4175** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.9312, 0.2225, 0.2178**, and the grayscale version is **66.6183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8751, 0.3603, 0.4076**, and **35.6081, 0.4347, 0.4353** is the 20% darker color. If you saturate the color by 10%, you get **63.5106, 0.4345, 0.4309**, and if you desaturate by 10%, it is **73.3611, 0.3914, 0.4017**.

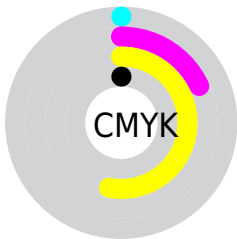
# Distribution



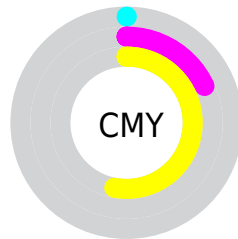
- Red (100%)
- Green (82%)
- Blue (47%)



- Red (75%)
- Yellow (100%)
- Blue (47%)



- Cyan (0%)
- Magenta (18%)
- Yellow (53%)
- Black (0%)




- Cyan (0%)
- Magenta (18%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.2414, 0.4130, 0.4175 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 68.2414, 0.4130, 0.4175 by changing the saturation by 10% instead.




 68.2414, 0.4130,  
0.4175

 68.2414, 0.4130,  
0.4175


454.3508, 0.3675,  
0.3785


 50.0941, 0.4227,  
0.4255

 116.6974, 0.3977,  
0.4046

 35.4882, 0.4343,  
0.4348


 147.7750, 0.3915,  
0.3994

 24.0392, 0.4480,  
0.4455


 183.9314, 0.3862,  
0.3948

 15.3627, 0.4643,  
0.4576

225.5512, 0.3815,  
0.3908

 9.0743, 0.4830,  
0.4701

273.0186, 0.3774,  
0.3872

 4.7897, 0.5113,  
0.4887

326.7181, 0.3737,

 2.1244, 0.5186,

0.3840

0.4814

387.0340, 0.3705,  
0.3811

0.6783, 0.5377,  
0.4623

0.0000, 0.0000,  
0.0000

68.2414, 0.4130,  
0.4175

68.2414, 0.4130,  
0.4175

63.5106, 0.4345,  
0.4309

73.3611, 0.3914,  
0.4017

59.1706, 0.4550,  
0.4408

78.9042, 0.3705,  
0.3846

55.1957, 0.4733,  
0.4459

84.8787, 0.3509,  
0.3670

51.5634, 0.4885,  
0.4459

91.2980, 0.3329,  
0.3497

49.0558, 0.4978,  
0.4429

98.1750, 0.3166,  
0.3331

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.



68.2414, 0.4346, 0.3757



68.2414, 0.4130, 0.4175



68.2414, 0.3651, 0.4402

# Triad

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



68.2414, 0.4130, 0.4175



68.2414, 0.2153, 0.3147



68.2414, 0.3102, 0.2517

# Complementary

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



68.2414, 0.4130, 0.4175



38.9312, 0.2225, 0.2178

# 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.



68.2414, 0.2543, 0.2348



68.2414, 0.4130, 0.4175



68.2414, 0.2040, 0.2648

# Square

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



68.2414, 0.4130, 0.4175



68.2414, 0.2512, 0.3776



68.2414, 0.2174, 0.2382



68.2414, 0.3725, 0.2850



# Rectangle

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



68.2414, 0.4130, 0.4175



68.2414, 0.3258, 0.4363



68.2414, 0.2174, 0.2382



68.2414, 0.2900, 0.2441

# Sweetspot

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



68.2351, 0.4130, 0.4175



89.0294, 0.3389, 0.3556



37.7606, 0.4106, 0.2812



18.7721, 0.3426, 0.3592



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.



68.2351, 0.4130, 0.4175



63.3051, 0.4355, 0.4315



90.5461, 0.3753, 0.4627



19.9787, 0.3278, 0.3446



25.9217, 0.4962, 0.4442



2.7275, 0.4851, 0.4530



# Inverse Universe

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



38.9312, 0.2225, 0.2178



31.2775, 0.2049, 0.1911



26.5691, 0.2239, 0.1657



18.3975, 0.2979, 0.3129



7.6313, 0.1639, 0.1101



0.9370, 0.1702, 0.1325



# Previews

## White Background



This preview shows how the Yxy color 68.2414, 0.4130, 0.4175 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

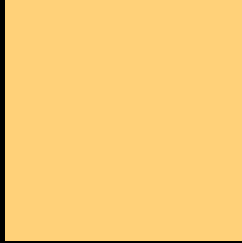
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.2414, 0.4130, 0.4175 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 68.2414, 0.4130, 0.4175**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.2414, 0.4130, 0.4175.



This preview shows how white text looks on a background with the Yxy color 68.2414, 0.4130, 0.4175.

# 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

68.2414, 0.4130, 0.4175

### Protanopia

68.5463, 0.3935, 0.4277

### Deuteranopia

68.4161, 0.3967, 0.3939



## Tritanopia

68.3561, 0.3453, 0.3168

# Trichromacy



## Original Color

68.2414, 0.4130, 0.4175

## Protanomaly

68.2267, 0.4013, 0.4237

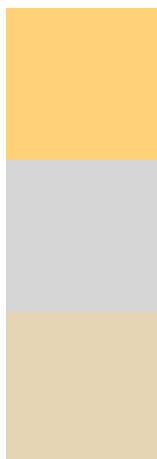
## Deuteranomaly

68.1493, 0.4032, 0.4027

## Tritanomaly

68.2179, 0.3712, 0.3551

# Monochromacy



## Original Color

68.2414, 0.4130, 0.4175

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

66.8762, 0.3478, 0.3647

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.2414, 0.4130, 0.4175 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, 209, 121)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 121)  
}
```

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, 209, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 121) }
```

## Border

The CSS property to change the border of an element to Yxy 68.2414, 0.4130, 0.4175 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, 209, 121) }
```

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

```
.border{ border-color:rgb(255, 209, 121) }
```

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

Here you see how a box with a 4 pixel rgb(255, 209, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 121);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
121) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.2414, 0.4130, 0.4175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 121) }
```

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

```
.background{ background-color: rgb(255,  
209, 121) }
```

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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