

# Converting Colors

$Y_{xy}(100.0000, 0.4709, 0.3379)$

Have a look what the booklet for  
Yxy(100.0000, 0.4709, 0.3379)  
contains.

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# Color

**Yxy(64.1588, 0.3714, 0.3427)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFC4B7
RGB	255, 196, 183
RGB Percent	100%, 77%, 72%
CMY	0.0000, 0.2314, 0.2823
CMYK	0.00, 0.23, 0.28, 0.00
HSL	11°, 100%, 86%
HSV	11°, 28%, 100%
XYZ	69.5319, 64.1588, 53.5250
YIQ	212.1590, 39.3370, 8.4650

# Conversions

## Conversions Part 2

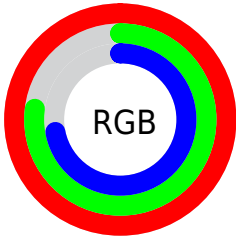
Format	Color
R <sub>Y</sub> B	255, 199, 183
Decimal	16762039
CIE Lab	84.05, 19.28, 14.65
CIE LCh	84, 24.218, 37.233
Yxy	64.1588, 0.3714, 0.3427
Android (android.graphics.Color)	4294952119 (0xFFFFC4B7)
YUV	212.1590, -14.3754, 37.5716
Hunter-Lab	80.0992, 14.7773, 16.4499

# Details

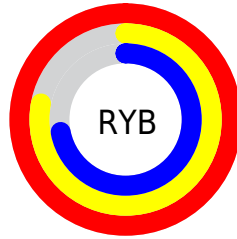
The Yxy color **64.1588, 0.3714, 0.3427** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **80.8008, 0.2701, 0.3148**, and the grayscale version is **66.0272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7426, 0.3222, 0.3425**, and **32.8280, 0.3863, 0.3453** is the 20% darker color. If you saturate the color by 10%, you get **54.4108, 0.4009, 0.3478**, and if you desaturate by 10%, it is **75.4131, 0.3469, 0.3376**.

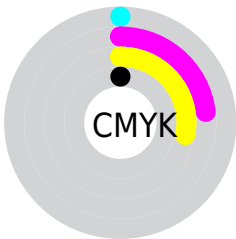
# Distribution



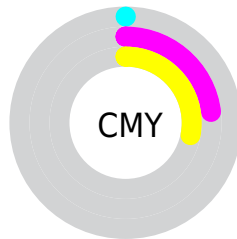
- Red (100%)
- Green (77%)
- Blue (72%)



- Red (100%)
- Yellow (78%)
- Blue (72%)



- Cyan (0%)
- Magenta (23%)
- Yellow (28%)
- Black (0%)




- Cyan (0%)
- Magenta (23%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.1588, 0.3714, 0.3427 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 64.1588, 0.3714, 0.3427 by changing the saturation by 10% instead.





 64.1588, 0.3714,  
0.3427

 64.1588, 0.3714,  
0.3427


439.7629, 0.3433,  
0.3369

 46.7793, 0.3780,  
0.3439


 110.8396, 0.3615,  
0.3408

 32.8612, 0.3863,  
0.3453


140.9097, 0.3577,  
0.3400

 22.0202, 0.3969,  
0.3468


175.9788, 0.3544,  
0.3393

 13.8717, 0.4111,  
0.3487

216.4313, 0.3516,  
0.3387

 8.0315, 0.4309,  
0.3507

262.6515, 0.3492,  
0.3382

 4.1151, 0.4601,  
0.3523

315.0239, 0.3470,

 1.7382, 0.5100,

0.3377

0.3538

373.9329, 0.3451,  
0.3373

0.4482, 0.6670,  
0.3330

0.0000, 0.0000,  
0.0000

64.1588, 0.3714,  
0.3427

64.1588, 0.3714,  
0.3427

54.4108, 0.4009,  
0.3478

75.4131, 0.3469,  
0.3376

46.1037, 0.4356,  
0.3524

88.2332, 0.3266,  
0.3328

39.1689, 0.4752,  
0.3559

100.0000, 0.3127,  
0.3290

33.5313, 0.5178,  
0.3575

■ 29.1090, 0.5595,  
0.3562

■ 25.8098, 0.5952,  
0.3515

■ 23.5257, 0.6202,  
0.3442

■ 23.2143, 0.6237,  
0.3430

# Harmonies

## Analogous

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



64.1588, 0.3550, 0.3174



64.1588, 0.3714, 0.3427



64.1588, 0.3711, 0.3660

# Triad

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



64.1588, 0.3714, 0.3427



64.1588, 0.2967, 0.3661



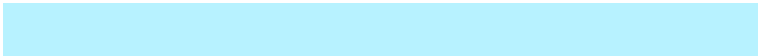
64.1588, 0.2711, 0.2793

# Complementary

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



64.1588, 0.3714, 0.3427



80.8008, 0.2701, 0.3148

# 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.



64.1588, 0.2573, 0.2891



64.1588, 0.3714, 0.3427



64.1588, 0.2715, 0.3392

# Square

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



64.1588, 0.3714, 0.3427



64.1588, 0.3271, 0.3817



64.1588, 0.2574, 0.3106



64.1588, 0.2962, 0.2819



# Rectangle

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



64.1588, 0.3714, 0.3427



64.1588, 0.3616, 0.3773



64.1588, 0.2574, 0.3106



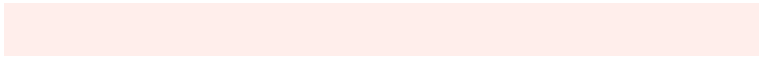
64.1588, 0.2651, 0.2811

# Sweetspot

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



64.1591, 0.3714, 0.3427



88.5475, 0.3262, 0.3326



61.6034, 0.3251, 0.2693



18.5169, 0.3290, 0.3334



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.



64.1591, 0.3714, 0.3427



58.3550, 0.3878, 0.3457



81.8336, 0.3617, 0.3777



18.5169, 0.3290, 0.3334



12.2818, 0.6214, 0.3448

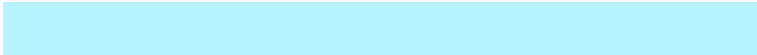


1.3326, 0.6016, 0.3605

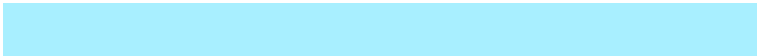


# Inverse Universe

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



80.8008, 0.2701, 0.3148



77.5210, 0.2621, 0.3115



61.9185, 0.2659, 0.2749



19.8912, 0.2980, 0.3246



27.8010, 0.2084, 0.2701



2.8456, 0.2104, 0.2776



# Previews

## White Background



This preview shows how the Yxy color 64.1588, 0.3714, 0.3427 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

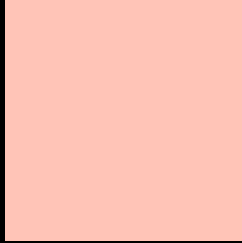
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.1588, 0.3714, 0.3427 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 64.1588, 0.3714, 0.3427**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.1588, 0.3714, 0.3427.



This preview shows how white text looks on a background with the Yxy color 64.1588, 0.3714, 0.3427.

# 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

64.1588, 0.3714, 0.3427

### Protanopia

64.2241, 0.3331, 0.3507

### Deuteranopia

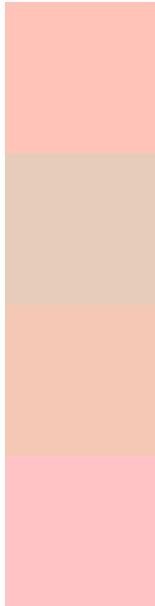
64.1437, 0.3583, 0.3508



## Tritanopia

64.3486, 0.3523, 0.3157

# Trichromacy



## Original Color

64.1588, 0.3714, 0.3427

## Protanomaly

63.7625, 0.3466, 0.3479

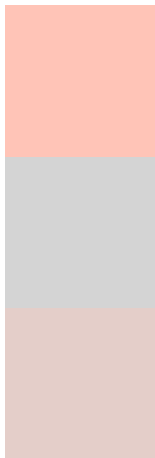
## Deuteranomaly

64.0984, 0.3629, 0.3484

## Tritanomaly

64.3674, 0.3594, 0.3260

# Monochromacy



## Original Color

64.1588, 0.3714, 0.3427

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

64.8536, 0.3333, 0.3346

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.1588, 0.3714, 0.3427 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, 196, 183)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 183)  
}
```

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, 196, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 64.1588, 0.3714, 0.3427 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, 196, 183) }
```

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

```
.border{ border-color:rgb(255, 196, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 196, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 196, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 196, 183); box-shadow:4px 4px 4px 4px rgb(255, 196, 183) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.1588, 0.3714, 0.3427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 183) }
```

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

```
.background{ background-color: rgb(255,  
196, 183) }
```

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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