

# Converting Colors

$Yxy(72.0653, 0.3783, 0.3186)$

Have a look what the booklet for  
Yxy(72.0653, 0.3783, 0.3186)  
contains.

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# Color

**Yxy(65.2448, 0.3519, 0.3178)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC4CF
RGB	255, 196, 207
RGB Percent	100%, 77%, 81%
CMY	0.0000, 0.2314, 0.1883
CMYK	0.00, 0.23, 0.19, 0.00
HSL	349°, 100%, 88%
HSV	349°, 23%, 100%
XYZ	72.2456, 65.2448, 67.8111
YIQ	214.8950, 31.6330, 15.9290

# Conversions

## Conversions Part 2

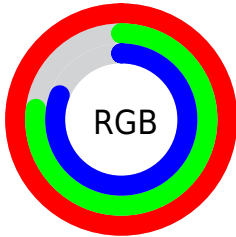
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 196, 207
Decimal	16762063
CIE Lab	84.61, 22.65, 2.67
CIE LCh	85, 22.805, 6.722
Yxy	65.2448, 0.3519, 0.3178
Android (android.graphics.Color)	4294952143 (0xFFFFC4CF)
YUV	214.8950, -3.8922, 35.1721
Hunter-Lab	80.7743, 18.2979, 6.7672

# Details

The Yxy color **65.2448, 0.3519, 0.3178** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **89.7881, 0.2839, 0.3406**, and the grayscale version is **67.8898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7306, 0.3128, 0.3271**, and **33.5162, 0.3609, 0.3146** is the 20% darker color. If you saturate the color by 10%, you get **53.7530, 0.3758, 0.3127**, and if you desaturate by 10%, it is **78.8248, 0.3325, 0.3228**.

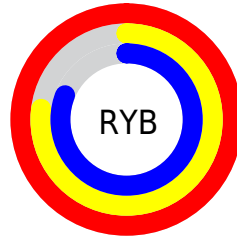
# Distribution



Red (100%)

Green (77%)

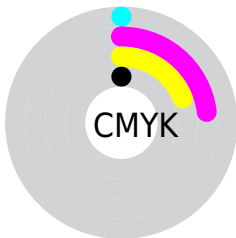
Blue (81%)



Red (100%)

Yellow (77%)

Blue (81%)

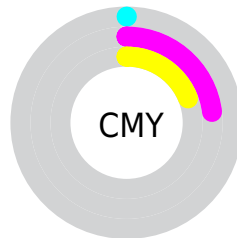


Cyan (0%)

Magenta (23%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (23%)


Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.2448, 0.3519, 0.3178 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 65.2448, 0.3519, 0.3178 by changing the saturation by 10% instead.




 65.2448, 0.3519,  
0.3178

 65.2448, 0.3519,  
0.3178


443.6711, 0.3333,  
0.3232

 47.6596, 0.3563,  
0.3165


 112.4017, 0.3454,  
0.3197

 33.5574, 0.3617,  
0.3149


142.7423, 0.3429,  
0.3205

 22.5538, 0.3687,  
0.3127


178.1034, 0.3407,  
0.3211

 14.2644, 0.3779,  
0.3099

218.8694, 0.3388,  
0.3216

 8.3048, 0.3909,  
0.3058

265.4248, 0.3372,  
0.3221

 4.2906, 0.4102,  
0.2996

318.1540, 0.3358,

 1.8374, 0.4418,

0.3225

0.2890

377.4413, 0.3345,  
0.3229

0.5103, 0.5451,  
0.2640

0.0000, 0.0000,  
0.0000

65.2448, 0.3519,  
0.3178

65.2448, 0.3519,  
0.3178

53.7530, 0.3758,  
0.3127

78.8248, 0.3325,  
0.3228

44.2456, 0.4049,  
0.3078

94.5898, 0.3170,  
0.3276

36.6096, 0.4395,  
0.3037

100.0000, 0.3127,  
0.3290

30.7206, 0.4791,  
0.3011

■ 26.4393, 0.5215,  
0.3011

■ 23.6046, 0.5625,  
0.3042

■ 22.0216, 0.5970,  
0.3107

■ 21.4693, 0.6149,  
0.3161

# Harmonies

## Analogous

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



65.2448, 0.3256, 0.2974



65.2448, 0.3519, 0.3178



65.2448, 0.3675, 0.3416

# Triad

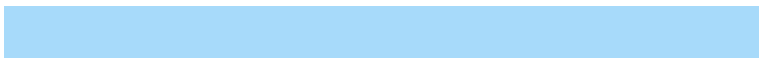
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.2448, 0.3519, 0.3178



65.2448, 0.3267, 0.3783



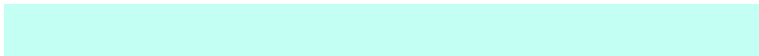
65.2448, 0.2605, 0.2919

# Complementary

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



65.2448, 0.3519, 0.3178



89.7881, 0.2839, 0.3406

# 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.



65.2448, 0.2609, 0.3123



65.2448, 0.3519, 0.3178



65.2448, 0.2982, 0.3640

# Square

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



65.2448, 0.3519, 0.3178



65.2448, 0.3523, 0.3776



65.2448, 0.2744, 0.3391



65.2448, 0.2734, 0.2824



# Rectangle

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



65.2448, 0.3519, 0.3178



65.2448, 0.3693, 0.3568



65.2448, 0.2744, 0.3391



65.2448, 0.2591, 0.2977

# Sweetspot

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



65.2448, 0.3519, 0.3178



88.2348, 0.3226, 0.3258



65.7905, 0.3067, 0.2697



18.6798, 0.3235, 0.3255



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

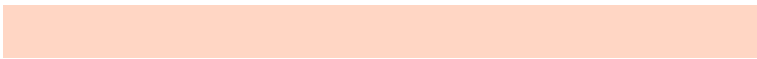
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.2448, 0.3519, 0.3178



59.4017, 0.3629, 0.3153



73.1872, 0.3567, 0.3473



18.0423, 0.3265, 0.3246



11.2339, 0.6115, 0.3142



1.1079, 0.5824, 0.2982



# Inverse Universe

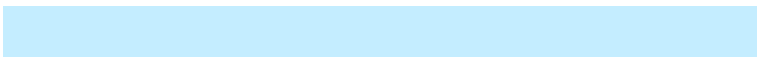
The Inverse Universe completely reimagines the original color for something new.



65.2448, 0.3519, 0.3178



59.4017, 0.3629, 0.3153



79.6982, 0.2769, 0.3100



18.0423, 0.3265, 0.3246



11.2339, 0.6115, 0.3142



1.1079, 0.5824, 0.2982



# Previews

## White Background



This preview shows how the Yxy color 65.2448, 0.3519, 0.3178 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

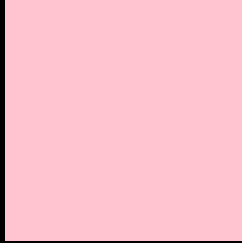
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.2448, 0.3519, 0.3178 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

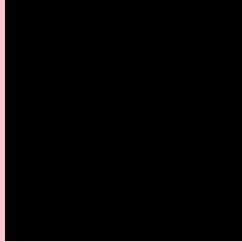
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.2448, 0.3519, 0.3178**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.2448, 0.3519, 0.3178.



This preview shows how white text looks on a background with the Yxy color 65.2448, 0.3519, 0.3178.

# 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

65.2448, 0.3519, 0.3178

### Protanopia

65.2956, 0.3122, 0.3234

### Deuteranopia

65.0859, 0.3353, 0.3280



## Tritanopia

65.4430, 0.3487, 0.3137

# Trichromacy



## Original Color

65.2448, 0.3519, 0.3178

## Protanomaly

65.0741, 0.3261, 0.3214

## Deuteranomaly

65.1068, 0.3414, 0.3238

## Tritanomaly

65.3930, 0.3495, 0.3147

# Monochromacy



## Original Color

65.2448, 0.3519, 0.3178

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

66.6882, 0.3266, 0.3247

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.2448, 0.3519, 0.3178 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 65.2448, 0.3519, 0.3178 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, 207) }
```

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

```
.border{ border-color:rgb(255, 196, 207) }
```

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, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.2448, 0.3519, 0.3178 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, 207) }
```

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

```
.background{ background-color: rgb(255,  
196, 207) }
```

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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