

# Converting Colors

Yxy(68.4286, 0.3580, 0.3247)

Have a look what the booklet for  
Yxy(68.4286, 0.3580, 0.3247)  
contains.

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# Color

**Yxy(66.9763, 0.3527, 0.3240)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC8CD
RGB	255, 200, 205
RGB Percent	100%, 78%, 80%
CMY	0.0000, 0.2156, 0.1961
CMYK	0.00, 0.22, 0.20, 0.00
HSL	355°, 100%, 89%
HSV	355°, 22%, 100%
XYZ	72.9091, 66.9763, 66.8316
YIQ	217.0150, 31.1750, 13.2150

# Conversions

## Conversions Part 2

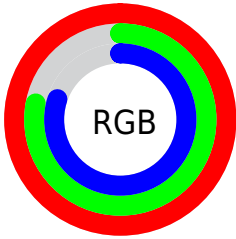
Format	Color
R <sub>Y</sub> B	255, 200, 205
Decimal	16763085
CIE Lab	85.49, 20.24, 5.02
CIE LCh	85, 20.851, 13.922
Yxy	66.9763, 0.3527, 0.3240
Android (android.graphics.Color)	4294953165 (0xFFFFC8CD)
YUV	217.0150, -5.9234, 33.3128
Hunter-Lab	81.8390, 15.8044, 8.8698

# Details

The Yxy color **66.9763, 0.3527, 0.3240** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **90.6979, 0.2831, 0.3341**, and the grayscale version is **69.4250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.7979, 0.3629, 0.3226** is the 20% darker color. If you saturate the color by 10%, you get **55.0977, 0.3787, 0.3216**, and if you desaturate by 10%, it is **80.9967, 0.3318, 0.3264**.

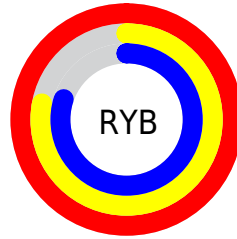
# Distribution



Red (100%)

Green (78%)

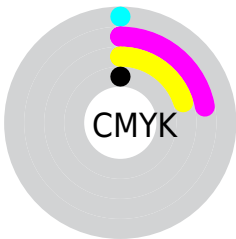
Blue (80%)



Red (100%)

Yellow (78%)

Blue (80%)

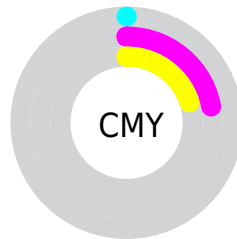


Cyan (0%)

Magenta (22%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.9763, 0.3527, 0.3240 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 66.9763, 0.3527, 0.3240 by changing the saturation by 10% instead.




 66.9763, 0.3527,  
0.3240

 66.9763, 0.3527,  
0.3240


449.8604, 0.3338,  
0.3266

 49.0654, 0.3571,  
0.3233


114.8865, 0.3461,  
0.3249

 34.6713, 0.3626,  
0.3225

145.6545, 0.3435,  
0.3253

 23.4098, 0.3697,  
0.3214


181.4769, 0.3413,  
0.3256

 14.8964, 0.3791,  
0.3198

222.7383, 0.3394,  
0.3258

 8.7467, 0.3921,  
0.3175

269.8229, 0.3377,  
0.3261

 4.5763, 0.4114,  
0.3138


323.1152, 0.3363,


 2.0009, 0.4429,


0.3263

0.3071

382.9996, 0.3350,  
0.3264


 0.6080, 0.5433,  
0.3021


 0.0000, 1.0000,  
0.0000

 66.9763, 0.3527,  
0.3240


 66.9763, 0.3527,  
0.3240

 55.0977, 0.3787,  
0.3216


 80.9967, 0.3318,  
0.3264

 45.2468, 0.4107,  
0.3192

 97.2473, 0.3150,  
0.3287

 37.3129, 0.4489,  
0.3173

99.9981, 0.3127,  
0.3290

 31.1711, 0.4925,  
0.3163

■ 26.6816, 0.5385,  
0.3166

■ 23.6839, 0.5816,  
0.3186

■ 21.9854, 0.6149,  
0.3223

■ 21.3202, 0.6323,  
0.3257

# Harmonies

## Analogous

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



66.9763, 0.3307, 0.3042



66.9763, 0.3527, 0.3240



66.9763, 0.3636, 0.3457

# Triad

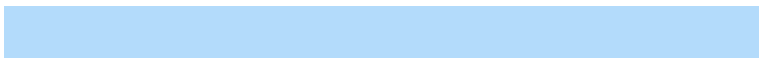
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.9763, 0.3527, 0.3240



66.9763, 0.3193, 0.3716



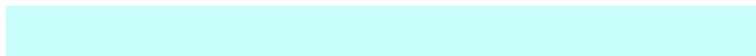
66.9763, 0.2670, 0.2923

# Complementary

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



66.9763, 0.3527, 0.3240



90.6979, 0.2831, 0.3341

# 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.



66.9763, 0.2644, 0.3089



66.9763, 0.3527, 0.3240



66.9763, 0.2938, 0.3558

# Square

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



66.9763, 0.3527, 0.3240



66.9763, 0.3437, 0.3744



66.9763, 0.2740, 0.3323



66.9763, 0.2814, 0.2861



# Rectangle

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



66.9763, 0.3527, 0.3240



66.9763, 0.3630, 0.3588



66.9763, 0.2740, 0.3323



66.9763, 0.2647, 0.2968

# Sweetspot

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



66.9794, 0.3527, 0.3240



89.7596, 0.3220, 0.3277



68.7639, 0.3112, 0.2745



18.9843, 0.3231, 0.3275



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

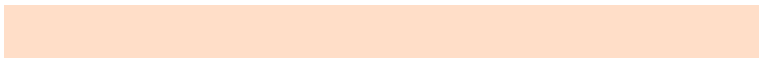
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.9794, 0.3527, 0.3240



61.4526, 0.3636, 0.3229



77.6731, 0.3520, 0.3515



18.0137, 0.3280, 0.3269



11.1502, 0.6302, 0.3245



1.0943, 0.6105, 0.3137



# Inverse Universe

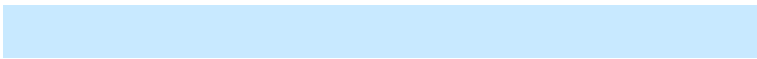
The Inverse Universe completely reimagines the original color for something new.



66.9794, 0.3527, 0.3240



61.4526, 0.3636, 0.3229



77.7776, 0.2788, 0.3054



18.0137, 0.3280, 0.3269



11.1502, 0.6302, 0.3245



1.0943, 0.6105, 0.3137



# Previews

## White Background



This preview shows how the Yxy color 66.9763, 0.3527, 0.3240 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

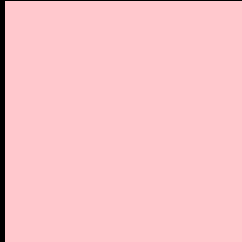
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.9763, 0.3527, 0.3240 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 66.9763, 0.3527, 0.3240**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.9763, 0.3527, 0.3240.



This preview shows how white text looks on a background with the Yxy color 66.9763, 0.3527, 0.3240.

# 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

66.9763, 0.3527, 0.3240

### Protanopia

67.2474, 0.3171, 0.3301

### Deuteranopia

67.1624, 0.3388, 0.3323



## Tritanopia

66.9619, 0.3458, 0.3138

# Trichromacy



## Original Color

66.9763, 0.3527, 0.3240

## Protanomaly

66.7041, 0.3295, 0.3280

## Deuteranomaly

66.7785, 0.3440, 0.3291

## Tritanomaly

66.8100, 0.3482, 0.3168

# Monochromacy



## Original Color

66.9763, 0.3527, 0.3240

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

68.3816, 0.3263, 0.3269

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.9763, 0.3527, 0.3240 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, 200, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 205)  
}
```

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, 200, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 66.9763, 0.3527, 0.3240 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, 200, 205) }
```

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

```
.border{ border-color:rgb(255, 200, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 200, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 205);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
205) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.9763, 0.3527, 0.3240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 200, 205) }
```

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

```
.background{ background-color: rgb(255,  
200, 205) }
```

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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