

# Converting Colors

$Y_{xy}(66.0470, 0.3609, 0.3333)$

Have a look what the booklet for  
Yxy(66.0470, 0.3609, 0.3333)  
contains.

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# **Color**

**Yxy(66.0470, 0.3609, 0.3333)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC7C3
RGB	255, 199, 195
RGB Percent	100%, 78%, 76%
CMY	0.0000, 0.2196, 0.2354
CMYK	0.00, 0.22, 0.24, 0.00
HSL	4°, 100%, 88%
HSV	4°, 24%, 100%
XYZ	71.5162, 66.0470, 60.5976
YIQ	215.2880, 34.6600, 10.6280

# Conversions

## Conversions Part 2

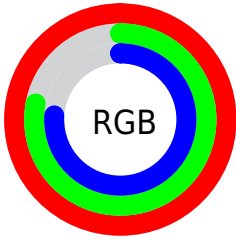
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 199, 195
Decimal	16762819
CIE Lab	85.02, 19.34, 9.66
CIE LCh	85, 21.617, 26.549
Yxy	66.0470, 0.3609, 0.3333
Android (android.graphics.Color)	4294952899 (0xFFFFC7C3)
YUV	215.2880, -10.0020, 34.8274
Hunter-Lab	81.2693, 14.8571, 12.6796

# Details

The Yxy color **66.0470, 0.3609, 0.3333** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **87.8021, 0.2775, 0.3247**, and the grayscale version is **68.2103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8083, 0.3144, 0.3319**, and **34.0442, 0.3730, 0.3345** is the 20% darker color. If you saturate the color by 10%, you get **54.8843, 0.3898, 0.3353**, and if you desaturate by 10%, it is **79.1183, 0.3374, 0.3314**.

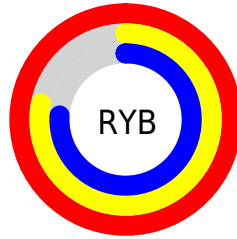
# Distribution



Red (100%)

Green (78%)

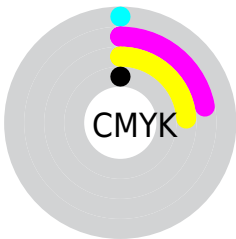
Blue (76%)



Red (100%)

Yellow (78%)

Blue (76%)

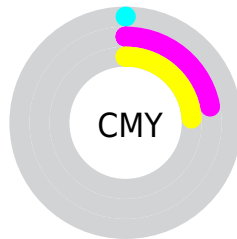


Cyan (0%)

Magenta (22%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.0470, 0.3609, 0.3333 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 66.0470, 0.3609, 0.3333 by changing the saturation by 10% instead.





 66.0470, 0.3609,  
0.3333

 66.0470, 0.3609,  
0.3333


446.5450, 0.3380,  
0.3317

 48.3106, 0.3663,  
0.3336


 113.5538, 0.3528,  
0.3328

 34.0729, 0.3730,  
0.3338


144.0929, 0.3497,  
0.3326

 22.9496, 0.3816,  
0.3341


179.6684, 0.3471,  
0.3324

 14.5563, 0.3931,  
0.3343

220.6646, 0.3448,  
0.3323

 8.5086, 0.4091,  
0.3342

267.4660, 0.3428,  
0.3321

 4.4221, 0.4328,  
0.3335


320.4569, 0.3410,


 1.9124, 0.4713,


0.3319

0.3307


380.0218, 0.3394,  
0.3318


 0.5558, 0.6452,  
0.3548

 0.0000, 0.0000,  
0.0000


 66.0470, 0.3609,  
0.3333


 66.0470, 0.3609,  
0.3333

 54.8843, 0.3898,  
0.3353


 79.1183, 0.3374,  
0.3314

 45.5409, 0.4249,  
0.3371

 94.1816, 0.3185,  
0.3296

 37.9202, 0.4662,  
0.3386

100.0000, 0.3127,  
0.3290

 31.9170, 0.5120,  
0.3394

■ 27.4143, 0.5583,  
0.3391

■ 24.2795, 0.5987,  
0.3374

■ 22.3566, 0.6264,  
0.3345

■ 21.6633, 0.6366,  
0.3328

# Harmonies

## Analogous

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



66.0470, 0.3421, 0.3113



66.0470, 0.3609, 0.3333



66.0470, 0.3661, 0.3552

# Triad

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



66.0470, 0.3609, 0.3333



66.0470, 0.3081, 0.3680



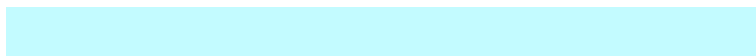
66.0470, 0.2701, 0.2867

# Complementary

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



66.0470, 0.3609, 0.3333



87.8021, 0.2775, 0.3247

# 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.



66.0470, 0.2620, 0.2996



66.0470, 0.3609, 0.3333



66.0470, 0.2833, 0.3471

# Square

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



66.0470, 0.3609, 0.3333



66.0470, 0.3349, 0.3769



66.0470, 0.2667, 0.3216



66.0470, 0.2893, 0.2850



# Rectangle

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



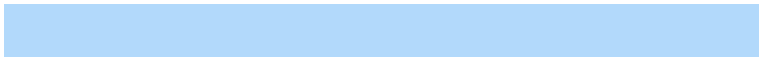
66.0470, 0.3609, 0.3333



66.0470, 0.3612, 0.3671



66.0470, 0.2667, 0.3216



66.0470, 0.2660, 0.2898

# Sweetspot

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



66.0470, 0.3609, 0.3333



88.7336, 0.3246, 0.3302



67.2474, 0.3183, 0.2739



18.7948, 0.3257, 0.3303



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.



66.0470, 0.3609, 0.3333



60.8336, 0.3731, 0.3342



81.2338, 0.3540, 0.3635



18.1822, 0.3293, 0.3307



11.3918, 0.6354, 0.3337



1.1743, 0.6248, 0.3421



# Inverse Universe

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



87.8021, 0.2775, 0.3247



85.8680, 0.2714, 0.3237



70.5275, 0.2748, 0.2919



20.2608, 0.2980, 0.3273



35.7896, 0.2189, 0.3079



3.5449, 0.2196, 0.3105



# Previews

## White Background



This preview shows how the Yxy color 66.0470, 0.3609, 0.3333 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

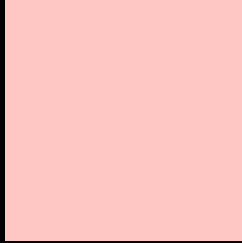
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.0470, 0.3609, 0.3333 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 66.0470, 0.3609, 0.3333**

## Background



This preview shows how black text looks on a background with the Yxy color 66.0470, 0.3609, 0.3333.

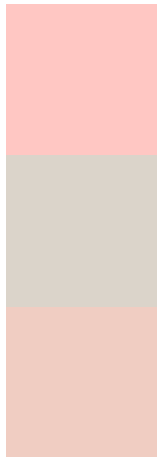


This preview shows how white text looks on a background with the Yxy color 66.0470, 0.3609, 0.3333.

# 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

66.0470, 0.3609, 0.3333

### Protanopia

66.4113, 0.3249, 0.3403

### Deuteranopia

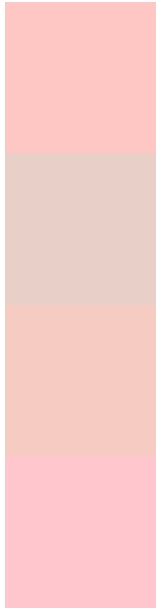
66.0830, 0.3483, 0.3409



## Tritanopia

65.9460, 0.3477, 0.3137

# Trichromacy



**Original Color**

66.0470, 0.3609, 0.3333

**Protanomaly**

65.9050, 0.3378, 0.3378

**Deuteranomaly**

66.0194, 0.3527, 0.3387

**Tritanomaly**

66.1044, 0.3523, 0.3209

# Monochromacy



**Original Color**

66.0470, 0.3609, 0.3333

**Achromatopsia**

67.9542, 0.3127, 0.3290

**Achromatomaly**

66.9780, 0.3294, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.0470, 0.3609, 0.3333 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, 199, 195)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 195)  
}
```

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, 199, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 66.0470, 0.3609, 0.3333 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, 199, 195) }
```

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

```
.border{ border-color:rgb(255, 199, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 195);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.0470, 0.3609, 0.3333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 195) }
```

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

```
.background{ background-color: rgb(255,  
199, 195) }
```

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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