

# Converting Colors

$Y_{xy}(112.8655, 0.4826, 0.3343)$

Have a look what the booklet for  
Yxy(112.8655, 0.4826, 0.3343)  
contains.

<b>Yxy(65.3659, 0.3651, 0.3375)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(65.3659, 0.3651, 0.3375)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC6BE
RGB	255, 198, 190
RGB Percent	100%, 78%, 75%
CMY	0.0002, 0.2234, 0.2549
CMYK	0.00, 0.22, 0.25, 0.00
HSL	7°, 100%, 87%
HSV	7°, 25%, 100%
XYZ	70.7114, 65.3659, 57.5995
YIQ	214.1310, 36.5400, 9.5960

# Conversions

## Conversions Part 2

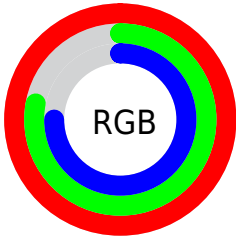
Format	Color
R <sub>Y</sub> B	255, 199, 190
Decimal	16762558
CIE Lab	84.67, 19.13, 11.82
CIE LCh	85, 22.485, 31.716
Yxy	65.3659, 0.3651, 0.3375
Android (android.graphics.Color)	4294952638 (0xFFFFC6BE)
YUV	214.1310, -11.8966, 35.8421
Hunter-Lab	80.8492, 14.6315, 14.3544

# Details

The Yxy color  $65.3659, 0.3651, 0.3375$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $84.6233, 0.2744, 0.3203$ , and the grayscale version is  $67.4003, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $99.4338, 0.3179, 0.3376$ , and  $33.6230, 0.3777, 0.3385$  is the 20% darker color. If you saturate the color by 10%, you get  $54.8779, 0.3942, 0.3410$ , and if you desaturate by 10%, it is  $77.5610, 0.3412, 0.3340$ .

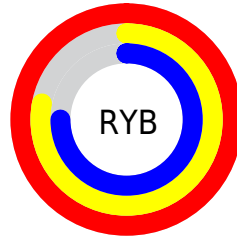
# Distribution



Red (100%)

Green (78%)

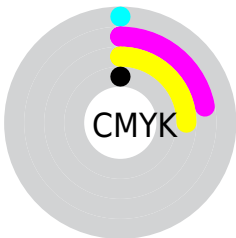
Blue (75%)



Red (100%)

Yellow (78%)

Blue (75%)

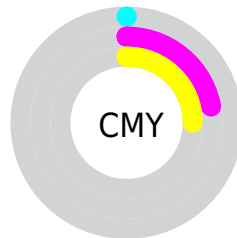


Cyan (0%)

Magenta (22%)

Yellow (25%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.3659, 0.3651, 0.3375 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 65.3659, 0.3651, 0.3375 by changing the saturation by 10% instead.





 65.3659, 0.3651,  
0.3375

 65.3659, 0.3651,  
0.3375


444.1057, 0.3401,  
0.3340

 47.7578, 0.3710,  
0.3382


 112.5757, 0.3563,  
0.3364

 33.6352, 0.3783,  
0.3390


142.9463, 0.3529,  
0.3359

 22.6135, 0.3877,  
0.3398


178.3398, 0.3500,  
0.3355

 14.3083, 0.4003,  
0.3408

219.1407, 0.3475,  
0.3351

 8.3354, 0.4178,  
0.3417

265.7334, 0.3453,  
0.3348

 4.3103, 0.4437,  
0.3422

318.5021, 0.3434,

 1.8486, 0.4857,

0.3345

0.3407

377.8314, 0.3417,  
0.3343

0.5172, 0.6508,  
0.3492

0.0000, 0.0000,  
0.0000

65.3659, 0.3651,  
0.3375

65.3659, 0.3651,  
0.3375

54.8779, 0.3942,  
0.3410

77.5610, 0.3412,  
0.3340

46.0121, 0.4290,  
0.3443

91.5252, 0.3218,  
0.3307

38.6899, 0.4694,  
0.3469

99.9889, 0.3127,  
0.3290

32.8227, 0.5136,  
0.3482

■ 28.3126, 0.5580,  
0.3475

■ 25.0497, 0.5965,  
0.3444

■ 22.9065, 0.6233,  
0.3392

■ 22.2584, 0.6314,  
0.3368

# Harmonies

## Analogous

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



65.3659, 0.3475, 0.3143



65.3659, 0.3651, 0.3375



65.3659, 0.3678, 0.3598

# Triad

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



65.3659, 0.3651, 0.3375



65.3659, 0.3030, 0.3668



65.3659, 0.2710, 0.2838

# Complementary

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



65.3659, 0.3651, 0.3375



84.6233, 0.2744, 0.3203

# 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.



65.3659, 0.2604, 0.2952



65.3659, 0.3651, 0.3375



65.3659, 0.2783, 0.3434

# Square

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



65.3659, 0.3651, 0.3375



65.3659, 0.3312, 0.3785



65.3659, 0.2630, 0.3168



65.3659, 0.2927, 0.2841



# Rectangle

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



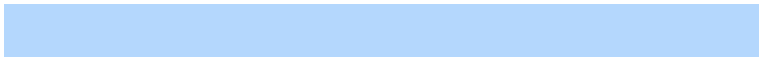
65.3659, 0.3651, 0.3375



65.3659, 0.3609, 0.3713



65.3659, 0.2630, 0.3168



65.3659, 0.2661, 0.2863

# Sweetspot

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



65.3689, 0.3651, 0.3375



87.8761, 0.3263, 0.3315



64.8100, 0.3212, 0.2722



18.3492, 0.3291, 0.3320



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.



65.3689, 0.3651, 0.3375



59.3992, 0.3805, 0.3395



81.5843, 0.3571, 0.3696



18.3492, 0.3291, 0.3320



11.7488, 0.6296, 0.3383



1.2529, 0.6128, 0.3516



# Inverse Universe

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



84.6233, 0.2744, 0.3203



81.8788, 0.2668, 0.3182



66.7066, 0.2712, 0.2847



20.0750, 0.2980, 0.3260



31.6211, 0.2137, 0.2893



3.1819, 0.2151, 0.2943



# Previews

## White Background



This preview shows how the Yxy color 65.3659, 0.3651, 0.3375 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

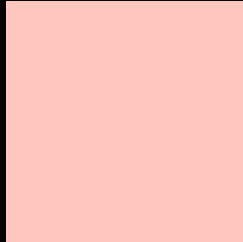
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.3659, 0.3651, 0.3375 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

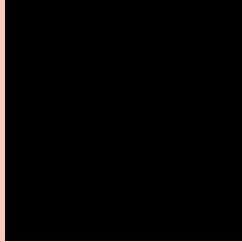
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.3659, 0.3651, 0.3375**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.3659, 0.3651, 0.3375.



This preview shows how white text looks on a background with the Yxy color 65.3659, 0.3651, 0.3375.

# 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

65.3659, 0.3651, 0.3375

### Protanopia

65.6798, 0.3286, 0.3448

### Deuteranopia

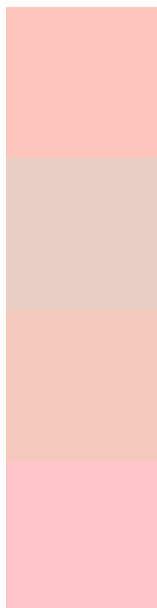
65.3851, 0.3523, 0.3453



## Tritanopia

65.3930, 0.3495, 0.3147

# Trichromacy



## Original Color

65.3659, 0.3651, 0.3375

## Protanomaly

65.1935, 0.3417, 0.3423

## Deuteranomaly

65.3277, 0.3568, 0.3430

## Tritanomaly

65.5043, 0.3549, 0.3229

# Monochromacy



## Original Color

65.3659, 0.3651, 0.3375

## Achromatopsia

67.2443, 0.3127, 0.3290

## Achromatomaly

66.1775, 0.3309, 0.3323

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.3659, 0.3651, 0.3375 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, 198, 190)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 190)  
}
```

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, 198, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 65.3659, 0.3651, 0.3375 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, 198, 190) }
```

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

```
.border{ border-color:rgb(255, 198, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 198, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 190);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.3659, 0.3651, 0.3375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 198, 190) }
```

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

```
.background{ background-color: rgb(255,  
198, 190) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor