

# Converting Colors

$Y_{xy}(59.9565, 0.3530, 0.3035)$

Have a look what the booklet for  
Yxy(59.9565, 0.3530, 0.3035)  
contains.

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# Color

**Yxy(60.0950, 0.3533, 0.3043)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB8D0
RGB	255, 184, 208
RGB Percent	100%, 72%, 82%
CMY	0.0000, 0.2784, 0.1842
CMYK	0.00, 0.28, 0.18, 0.00
HSL	340°, 100%, 86%
HSV	340°, 28%, 100%
XYZ	69.7718, 60.0950, 67.6192
YIQ	207.9650, 34.6120, 22.5160

# Conversions

## Conversions Part 2

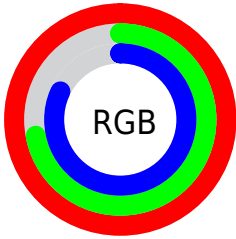
Format	Color
R <sub>Y</sub> B	255, 184, 208
Decimal	16758992
CIE Lab	81.89, 29.10, -1.86
CIE LCh	82, 29.163, 356.345
Yxy	60.0950, 0.3533, 0.3043
Android (android.graphics.Color)	4294949072 (0xFFFFB8D0)
YUV	207.9650, 0.0173, 41.2497
Hunter-Lab	77.5210, 24.9951, 2.5478

# Details

The Yxy color  $60.0950, 0.3533, 0.3043$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $87.4773, 0.2841, 0.3553$ , and the grayscale version is  $63.0365, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $90.8002, 0.3134, 0.3146$ , and  $30.1687, 0.3631, 0.2973$  is the 20% darker color. If you saturate the color by 10%, you get  $49.6528, 0.3742, 0.2951$ , and if you desaturate by 10%, it is  $72.5363, 0.3360, 0.3135$ .

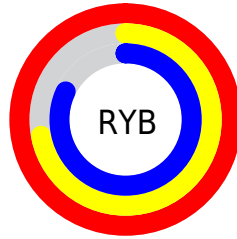
# Distribution



Red (100%)

Green (72%)

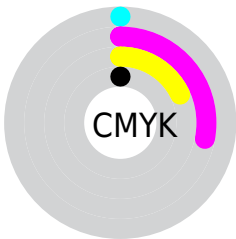
Blue (82%)



Red (100%)

Yellow (72%)

Blue (82%)

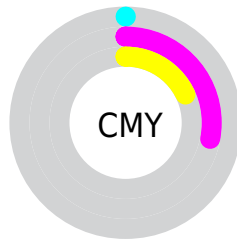


Cyan (0%)

Magenta (28%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (28%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.0950, 0.3533, 0.3043 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 60.0950, 0.3533, 0.3043 by changing the saturation by 10% instead.





 60.0950, 0.3533,  
0.3043

 60.0950, 0.3533,  
0.3043


424.9478, 0.3339,  
0.3160

 43.4952, 0.3579,  
0.3016


 104.9675, 0.3465,  
0.3084

 30.2739, 0.3636,  
0.2981


134.0089, 0.3438,  
0.3100

 20.0465, 0.3710,  
0.2937


167.9664, 0.3416,  
0.3114

 12.4289, 0.3809,  
0.2878

207.2243, 0.3396,  
0.3125

 7.0365, 0.3948,  
0.2797

252.1670, 0.3379,  
0.3136

 3.4849, 0.4158,  
0.2675


303.1789, 0.3364,

 1.3898, 0.4507,


0.3145

0.2474


360.6444, 0.3351,  
0.3153

 0.2092, 0.6164,  
0.1415


 0.0000, 0.0000,  
0.0000


 60.0950, 0.3533,  
0.3043

 60.0950, 0.3533,  
0.3043

 49.6528, 0.3742,  
0.2951


 72.5363, 0.3360,  
0.3135

 41.1022, 0.3992,  
0.2864

 87.0721, 0.3219,  
0.3224

 34.3287, 0.4284,  
0.2792

100.0000, 0.3127,  
0.3290

 29.2045, 0.4612,  
0.2747

■ 25.5845, 0.4960,  
0.2741

■ 23.2979, 0.5302,  
0.2784

■ 22.1170, 0.5609,  
0.2875

■ 21.9373, 0.5670,  
0.2897

# Harmonies

## Analogous

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



60.0950, 0.3161, 0.2812



60.0950, 0.3533, 0.3043



60.0950, 0.3800, 0.3339

# Triad

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



60.0950, 0.3533, 0.3043



60.0950, 0.3431, 0.3964



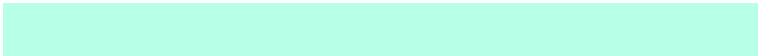
60.0950, 0.2433, 0.2878

# Complementary

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



60.0950, 0.3533, 0.3043



87.4773, 0.2841, 0.3553

# 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.



60.0950, 0.2496, 0.3181



60.0950, 0.3533, 0.3043



60.0950, 0.3059, 0.3845

# Square

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



60.0950, 0.3533, 0.3043



60.0950, 0.3733, 0.3876



60.0950, 0.2720, 0.3546



60.0950, 0.2540, 0.2708



# Rectangle

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



60.0950, 0.3533, 0.3043



60.0950, 0.3873, 0.3543



60.0950, 0.2720, 0.3546



60.0950, 0.2435, 0.2966

# Sweetspot

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



60.0957, 0.3533, 0.3043



86.8291, 0.3221, 0.3223



58.3476, 0.2970, 0.2553



18.0886, 0.3241, 0.3210



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.



60.0957, 0.3533, 0.3043



54.4685, 0.3636, 0.2995



63.5931, 0.3710, 0.3403



18.0886, 0.3241, 0.3210



11.4876, 0.5627, 0.2873



1.1380, 0.5310, 0.2699



# Inverse Universe

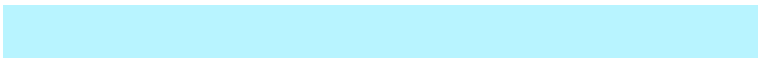
The Inverse Universe completely reimagines the original color for something new.



60.0957, 0.3533, 0.3043



54.4685, 0.3636, 0.2995



82.3220, 0.2709, 0.3174



18.0886, 0.3241, 0.3210



11.4876, 0.5627, 0.2873



1.1380, 0.5310, 0.2699



# Previews

## White Background



This preview shows how the Yxy color 60.0950, 0.3533, 0.3043 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

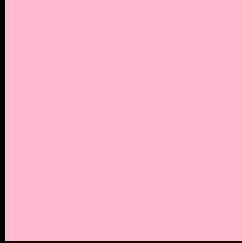
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.0950, 0.3533, 0.3043 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 60.0950, 0.3533, 0.3043**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.0950, 0.3533, 0.3043.



This preview shows how white text looks on a background with the Yxy color 60.0950, 0.3533, 0.3043.

# 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

60.0950, 0.3533, 0.3043

### Protanopia

60.5229, 0.3015, 0.3105

### Deuteranopia

60.5324, 0.3266, 0.3201



## Tritanopia

59.9389, 0.3591, 0.3135

# Trichromacy



## Original Color

60.0950, 0.3533, 0.3043



## Protanomaly

59.9157, 0.3192, 0.3079



## Deuteranomaly

60.3071, 0.3361, 0.3138



## Tritanomaly

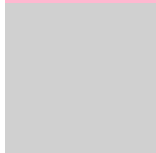
60.0806, 0.3565, 0.3104

# Monochromacy



## Original Color

60.0950, 0.3533, 0.3043



## Achromatopsia

63.0757, 0.3127, 0.3290



## Achromatomaly

61.4085, 0.3266, 0.3190

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.0950, 0.3533, 0.3043 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, 184, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 184, 208)  
}
```

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, 184, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 184, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 60.0950, 0.3533, 0.3043 is called "border". The border property can be set on classes, ids or directly on the HTML element.

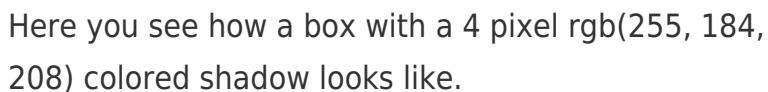
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 184, 208) }
```

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

```
.border{ border-color:rgb(255, 184, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 184, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 184, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 184, 208); box-shadow:4px 4px 4px 4px rgb(255, 184, 208) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.0950, 0.3533, 0.3043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 184, 208) }
```

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

```
.background{ background-color: rgb(255,  
184, 208) }
```

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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