

# Converting Colors

$Y_{xy}(60.5723, 0.3528, 0.3051)$

Have a look what the booklet for  
Yxy(60.5723, 0.3528, 0.3051)  
contains.

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# Color

**Yxy(60.5120, 0.3531, 0.3054)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB9D0
RGB	255, 185, 208
RGB Percent	100%, 73%, 82%
CMY	0.0001, 0.2744, 0.1843
CMYK	0.00, 0.27, 0.18, 0.00
HSL	340°, 100%, 86%
HSV	340°, 27%, 100%
XYZ	69.9633, 60.5120, 67.6649
YIQ	208.5520, 34.3370, 21.9930

# Conversions

## Conversions Part 2

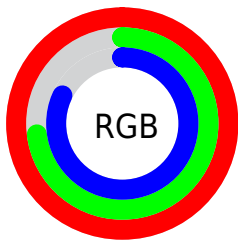
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 185, 208
Decimal	16759248
CIE Lab	82.12, 28.54, -1.51
CIE LCh	82, 28.582, 356.976
Yxy	60.5120, 0.3531, 0.3054
Android (android.graphics.Color)	4294949328 (0xFFFFB9D0)
YUV	208.5520, -0.2721, 40.7349
Hunter-Lab	77.7895, 24.4101, 2.8794

# Details

The Yxy color **60.5120, 0.3531, 0.3054** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **87.6387, 0.2841, 0.3541**, and the grayscale version is **63.4395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9843, 0.3133, 0.3165**, and **30.4360, 0.3628, 0.2987** is the 20% darker color. If you saturate the color by 10%, you get **49.9872, 0.3742, 0.2964**, and if you desaturate by 10%, it is **73.0461, 0.3357, 0.3144**.

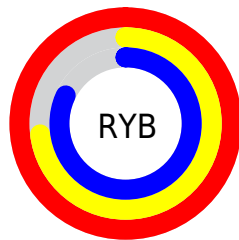
# Distribution



Red (100%)

Green (73%)

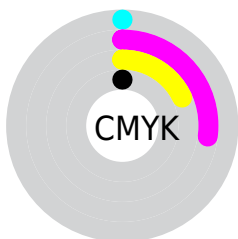
Blue (82%)



Red (100%)

Yellow (73%)

Blue (82%)

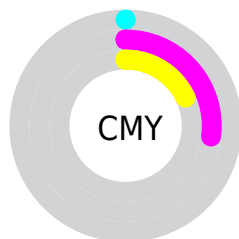


Cyan (0%)

Magenta (27%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (27%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.5120, 0.3531, 0.3054 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 60.5120, 0.3531, 0.3054 by changing the saturation by 10% instead.




 60.5120, 0.3531,  
0.3054

 60.5120, 0.3531,  
0.3054


426.4824, 0.3338,  
0.3166

 43.8315, 0.3576,  
0.3028


 105.5720, 0.3463,  
0.3093

 30.5380, 0.3634,  
0.2995


134.7203, 0.3437,  
0.3109

 20.2473, 0.3707,  
0.2953


168.7933, 0.3415,  
0.3122

 12.5750, 0.3805,  
0.2896

208.1753, 0.3395,  
0.3133

 7.1365, 0.3943,  
0.2818

253.2509, 0.3378,  
0.3143

 3.5476, 0.4151,  
0.2701


304.4043, 0.3363,


 1.4239, 0.4497,


0.3151


0.2509

362.0200, 0.3350,  
0.3159


 0.2342, 0.6079,  
0.1545


 0.0000, 0.0000,  
0.0000


 60.5120, 0.3531,  
0.3054


 60.5120, 0.3531,  
0.3054

 49.9872, 0.3742,  
0.2964

 73.0461, 0.3357,  
0.3144

 41.3582, 0.3995,  
0.2880

 87.6785, 0.3215,  
0.3230

 34.5131, 0.4290,  
0.2810

99.9928, 0.3127,  
0.3290

 29.3245, 0.4623,  
0.2765

■ 25.6480, 0.4976,  
0.2759

■ 23.3139, 0.5324,  
0.2801

■ 22.1021, 0.5635,  
0.2892

■ 21.8890, 0.5708,  
0.2918

# Harmonies

## Analogous

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



60.5120, 0.3168, 0.2825



60.5120, 0.3531, 0.3054



60.5120, 0.3789, 0.3345

# Triad

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



60.5120, 0.3531, 0.3054



60.5120, 0.3418, 0.3948



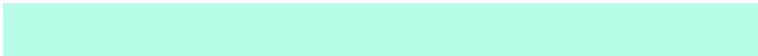
60.5120, 0.2448, 0.2882

# Complementary

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



60.5120, 0.3531, 0.3054



87.6387, 0.2841, 0.3541

# 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.



60.5120, 0.2506, 0.3177



60.5120, 0.3531, 0.3054



60.5120, 0.3054, 0.3827

# Square

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



60.5120, 0.3531, 0.3054



60.5120, 0.3715, 0.3867



60.5120, 0.2723, 0.3533



60.5120, 0.2556, 0.2718



# Rectangle

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



60.5120, 0.3531, 0.3054



60.5120, 0.3857, 0.3545



60.5120, 0.2723, 0.3533



60.5120, 0.2449, 0.2968

# Sweetspot

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



60.5148, 0.3531, 0.3054



86.8168, 0.3223, 0.3225



59.0228, 0.2982, 0.2567



18.0855, 0.3242, 0.3212



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.



60.5148, 0.3531, 0.3054



54.4292, 0.3644, 0.3004



64.5441, 0.3695, 0.3413



18.0855, 0.3242, 0.3212



11.4657, 0.5665, 0.2894



1.1356, 0.5346, 0.2719



# Inverse Universe

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



60.5148, 0.3531, 0.3054



54.4292, 0.3644, 0.3004



81.8192, 0.2714, 0.3163



18.0855, 0.3242, 0.3212



11.4657, 0.5665, 0.2894



1.1356, 0.5346, 0.2719



# Previews

## White Background



This preview shows how the Yxy color 60.5120, 0.3531, 0.3054 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 60.5120, 0.3531, 0.3054 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

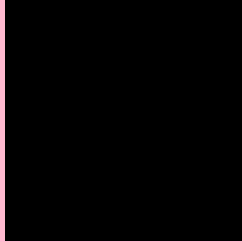
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.5120, 0.3531, 0.3054**

## Background



This preview shows how black text looks on a background with the Yxy color 60.5120, 0.3531, 0.3054.

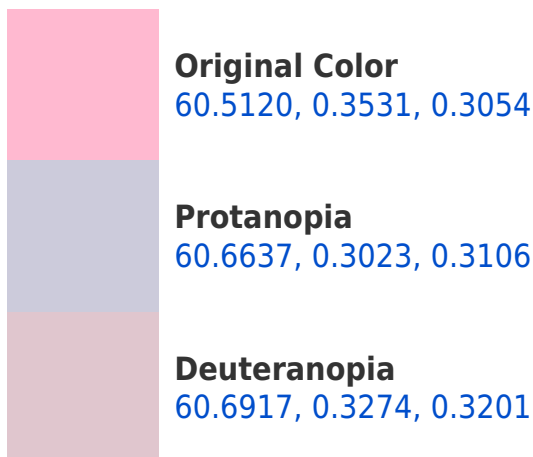


This preview shows how white text looks on a background with the Yxy color 60.5120, 0.3531, 0.3054.

# 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





## Tritanopia

60.4057, 0.3580, 0.3135

# Trichromacy



## Original Color

60.5120, 0.3531, 0.3054



## Protanomaly

60.0741, 0.3200, 0.3079



## Deuteranomaly

60.3071, 0.3361, 0.3138



## Tritanomaly

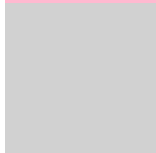
60.5483, 0.3555, 0.3104

# Monochromacy



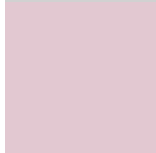
## Original Color

60.5120, 0.3531, 0.3054



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

62.0808, 0.3265, 0.3191

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.5120, 0.3531, 0.3054 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, 185, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 185, 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, 185, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 185, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 60.5120, 0.3531, 0.3054 is called "border". The border property can be set on classes, ids or directly on the HTML element.

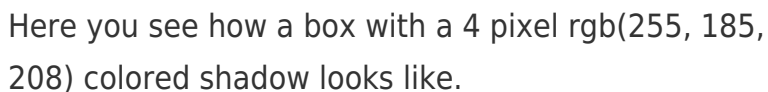
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 185, 208) }
```

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

```
.border{ border-color:rgb(255, 185, 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, 185, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 185, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 185, 208); box-shadow:4px 4px 4px 4px rgb(255, 185, 208) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.5120, 0.3531, 0.3054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 185, 208) }
```

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

```
.background{ background-color: rgb(255,  
185, 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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