

# Converting Colors

$Y_{xy}(65.1697, 0.3557, 0.3231)$

Have a look what the booklet for  
Yxy(65.1697, 0.3557, 0.3231)  
contains.

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# Color

**Yxy(65.0041, 0.3559, 0.3229)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC4CA
RGB	255, 196, 202
RGB Percent	100%, 77%, 79%
CMY	0.0000, 0.2314, 0.2077
CMYK	0.00, 0.23, 0.21, 0.00
HSL	354°, 100%, 88%
HSV	354°, 23%, 100%
XYZ	71.6474, 65.0041, 64.6619
YIQ	214.3250, 33.2380, 14.3740

# Conversions

## Conversions Part 2

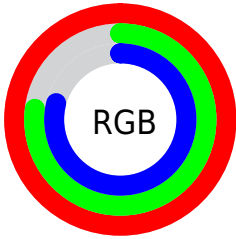
Format	Color
<a href="#">RYB</a>	<a href="#">255, 196, 202</a>
Decimal	<a href="#">16762058</a>
CIELab	<a href="#">84.49, 21.92, 5.14</a>
CIElCh	<a href="#">84, 22.515, 13.201</a>
Yxy	<a href="#">65.0041, 0.3559, 0.3229</a>
Android (android.graphics.Color)	<a href="#">4294952138 (0xFFFFC4CA)</a>
YUV	<a href="#">214.3250, -6.0762, 35.6720</a>
Hunter-Lab	<a href="#">80.6251, 17.5299, 8.8866</a>

# Details

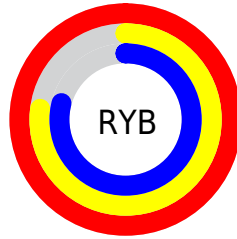
The Yxy color **65.0041, 0.3559, 0.3229** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **90.0931, 0.2814, 0.3353**, and the grayscale version is **67.4998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7306, 0.3128, 0.3271**, and **33.3544, 0.3663, 0.3212** is the 20% darker color. If you saturate the color by 10%, you get **53.4559, 0.3824, 0.3201**, and if you desaturate by 10%, it is **78.6673, 0.3345, 0.3256**.

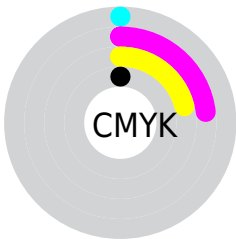
# Distribution



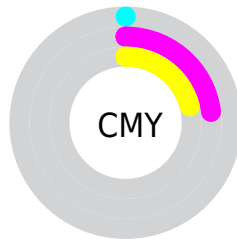
- Red (100%)
- Green (77%)
- Blue (79%)



- Red (100%)
- Yellow (77%)
- Blue (79%)



- Cyan (0%)
- Magenta (23%)
- Yellow (21%)
- Black (0%)




- Cyan (0%)
- Magenta (23%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.0041, 0.3559, 0.3229 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 65.0041, 0.3559, 0.3229 by changing the saturation by 10% instead.





 65.0041, 0.3559,  
0.3229

 65.0041, 0.3559,  
0.3229


442.8067, 0.3354,  
0.3260

 47.4644, 0.3607,  
0.3221


 112.0558, 0.3487,  
0.3241

 33.4029, 0.3668,  
0.3211


142.3365, 0.3459,  
0.3245

 22.4353, 0.3745,  
0.3197


177.6330, 0.3435,  
0.3248

 14.1771, 0.3848,  
0.3178

218.3298, 0.3414,  
0.3252

 8.2439, 0.3993,  
0.3150

264.8111, 0.3396,  
0.3254

 4.2514, 0.4208,  
0.3105


317.4615, 0.3381,

 1.8152, 0.4562,


0.3257


0.3022


376.6652, 0.3366,  
0.3259

 0.4966, 0.6003,  
0.2928


 0.0000, 0.0000,  
0.0000


 65.0041, 0.3559,  
0.3229


 65.0041, 0.3559,  
0.3229

 53.4559, 0.3824,  
0.3201


 78.6673, 0.3345,  
0.3256

 43.9180, 0.4149,  
0.3175

 94.5452, 0.3174,  
0.3282

 36.2750, 0.4535,  
0.3155

100.0000, 0.3127,  
0.3290

 30.4003, 0.4973,  
0.3144

■ 26.1517, 0.5429,  
0.3149

■ 23.3651, 0.5849,  
0.3175

■ 21.8419, 0.6167,  
0.3218

■ 21.3348, 0.6308,  
0.3248

# Harmonies

## Analogous

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



65.0041, 0.3316, 0.3016



65.0041, 0.3559, 0.3229



65.0041, 0.3682, 0.3465

# Triad

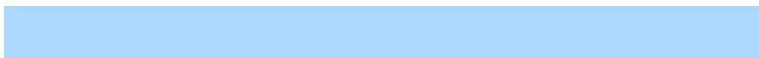
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.0041, 0.3559, 0.3229



65.0041, 0.3205, 0.3759



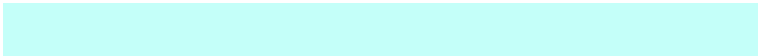
65.0041, 0.2628, 0.2893

# Complementary

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



65.0041, 0.3559, 0.3229



90.0931, 0.2814, 0.3353

# 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.



65.0041, 0.2603, 0.3075



65.0041, 0.3559, 0.3229



65.0041, 0.2927, 0.3589

# Square

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



65.0041, 0.3559, 0.3229



65.0041, 0.3470, 0.3784



65.0041, 0.2709, 0.3331



65.0041, 0.2781, 0.2824



# Rectangle

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



65.0041, 0.3559, 0.3229



65.0041, 0.3677, 0.3609



65.0041, 0.2709, 0.3331



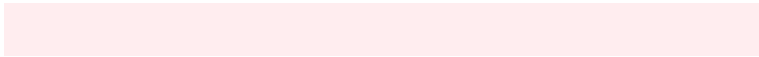
65.0041, 0.2605, 0.2942

# Sweetspot

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



65.0037, 0.3559, 0.3229



88.1457, 0.3235, 0.3273



66.6760, 0.3103, 0.2703



18.6593, 0.3245, 0.3271



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

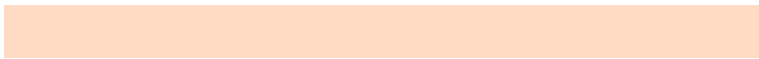
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.0037, 0.3559, 0.3229



59.1319, 0.3681, 0.3216



75.7075, 0.3556, 0.3522



18.0172, 0.3278, 0.3266



11.1577, 0.6285, 0.3236



1.0959, 0.6069, 0.3117



# Inverse Universe

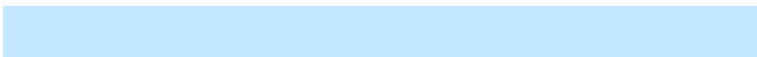
The Inverse Universe completely reimagines the original color for something new.



65.0037, 0.3559, 0.3229



59.1319, 0.3681, 0.3216



76.8838, 0.2764, 0.3046



18.0172, 0.3278, 0.3266



11.1577, 0.6285, 0.3236



1.0959, 0.6069, 0.3117



# Previews

## White Background



This preview shows how the Yxy color 65.0041, 0.3559, 0.3229 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

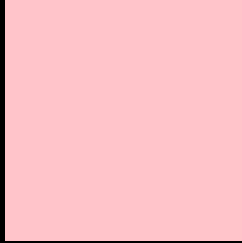
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.0041, 0.3559, 0.3229 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

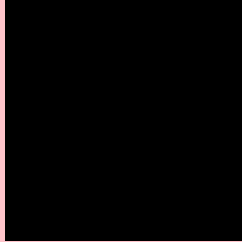
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.0041, 0.3559, 0.3229**

## Background



This preview shows how black text looks on a background with the Yxy color 65.0041, 0.3559, 0.3229.



This preview shows how white text looks on a background with the Yxy color 65.0041, 0.3559, 0.3229.

# 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

65.0041, 0.3559, 0.3229

### Protanopia

65.1934, 0.3164, 0.3290

### Deuteranopia

65.0649, 0.3391, 0.3323



## Tritanopia

64.9434, 0.3497, 0.3137

# Trichromacy



## Original Color

65.0041, 0.3559, 0.3229

## Protanomaly

64.9906, 0.3306, 0.3269

## Deuteranomaly

64.8676, 0.3452, 0.3291

## Tritanomaly

64.7952, 0.3521, 0.3168

# Monochromacy



## Original Color

65.0041, 0.3559, 0.3229

## Achromatopsia

67.2443, 0.3127, 0.3290

## Achromatomaly

65.9368, 0.3274, 0.3258

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.0041, 0.3559, 0.3229 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, 196, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 202)  
}
```

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, 196, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 65.0041, 0.3559, 0.3229 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, 196, 202) }
```

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

```
.border{ border-color:rgb(255, 196, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 196, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 196, 202); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 196, 202); box-shadow:4px 4px 4px 4px rgb(255, 196, 202) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.0041, 0.3559, 0.3229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 202) }
```

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

```
.background{ background-color: rgb(255,  
196, 202) }
```

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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