

# Converting Colors

$Y_{xy}(64.1698, 0.3539, 0.3175)$

Have a look what the booklet for  
Yxy(64.1698, 0.3539, 0.3175)  
contains.

<b>Yxy(64.2514, 0.3539, 0.3178)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(64.2514, 0.3539, 0.3178)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC2CD
RGB	255, 194, 205
RGB Percent	100%, 76%, 80%
CMY	0.0000, 0.2392, 0.1962
CMYK	0.00, 0.24, 0.20, 0.00
HSL	349°, 100%, 88%
HSV	349°, 24%, 100%
XYZ	71.5499, 64.2514, 66.3742
YIQ	213.4930, 32.8250, 16.3530

# Conversions

## Conversions Part 2

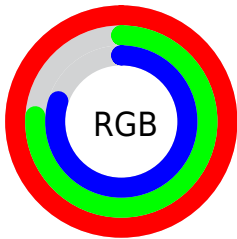
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 194, 205
Decimal	16761549
CIE <sub>Lab</sub>	84.10, 23.39, 3.00
CIE <sub>LCh</sub>	84, 23.583, 7.307
Yxy	64.2514, 0.3539, 0.3178
Android (android.graphics.Color)	4294951629 (0xFFFFC2CD)
YUV	213.4930, -4.1870, 36.4016
Hunter-Lab	80.1570, 19.0585, 7.0146

# Details

The Yxy color **64.2514, 0.3539, 0.3178** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **89.5237, 0.2828, 0.3406**, and the grayscale version is **66.8995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4744, 0.3129, 0.3252**, and **32.8608, 0.3636, 0.3145** is the 20% darker color. If you saturate the color by 10%, you get **52.9165, 0.3784, 0.3129**, and if you desaturate by 10%, it is **77.6733, 0.3341, 0.3227**.

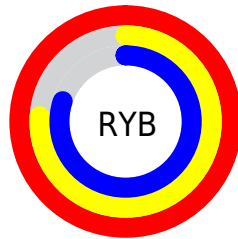
# Distribution



Red (100%)

Green (76%)

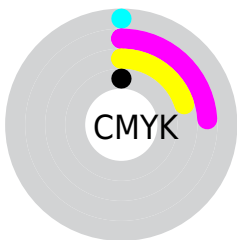
Blue (80%)



Red (100%)

Yellow (76%)

Blue (80%)

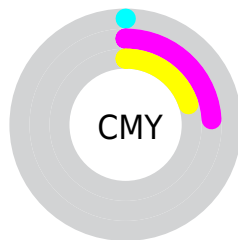


Cyan (0%)

Magenta (24%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (24%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.2514, 0.3539, 0.3178 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 64.2514, 0.3539, 0.3178 by changing the saturation by 10% instead.



 64.2514, 0.3539,  
0.3178

 64.2514, 0.3539,  
0.3178

440.0969, 0.3343,  
0.3233

 46.8543, 0.3585,  
0.3165


 110.9729, 0.3470,  
0.3198

 32.9205, 0.3643,  
0.3148


141.0661, 0.3444,  
0.3205

 22.0656, 0.3717,  
0.3126


176.1602, 0.3421,  
0.3211

 13.9051, 0.3815,  
0.3097

216.6395, 0.3401,  
0.3217

 8.0547, 0.3953,  
0.3055

262.8884, 0.3384,  
0.3221

 4.1300, 0.4159,  
0.2990


315.2914, 0.3369,

 1.7465, 0.4499,


0.3226


0.2879


374.2327, 0.3355,  
0.3229

 0.4535, 0.5785,  
0.2591


 0.0000, 0.0000,  
0.0000

 64.2514, 0.3539,  
0.3178

 64.2514, 0.3539,  
0.3178

 52.9165, 0.3784,  
0.3129


 77.6733, 0.3341,  
0.3227

 43.5570, 0.4082,  
0.3082

 93.2727, 0.3181,  
0.3273

 36.0614, 0.4436,  
0.3043

100.0000, 0.3127,  
0.3290

 30.3041, 0.4838,  
0.3020

■ 26.1441, 0.5265,  
0.3023

■ 23.4182, 0.5674,  
0.3057

■ 21.9277, 0.6010,  
0.3123

■ 21.4562, 0.6164,  
0.3169

# Harmonies

## Analogous

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



64.2514, 0.3267, 0.2966



64.2514, 0.3539, 0.3178



64.2514, 0.3698, 0.3425

# Triad

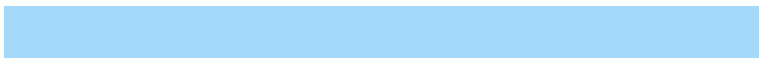
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.2514, 0.3539, 0.3178



64.2514, 0.3266, 0.3802



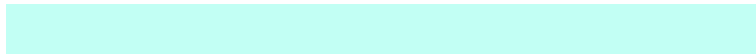
64.2514, 0.2587, 0.2902

# Complementary

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



64.2514, 0.3539, 0.3178



89.5237, 0.2828, 0.3406

# 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.



64.2514, 0.2588, 0.3111



64.2514, 0.3539, 0.3178



64.2514, 0.2971, 0.3650

# Square

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



64.2514, 0.3539, 0.3178



64.2514, 0.3533, 0.3796



64.2514, 0.2725, 0.3389



64.2514, 0.2722, 0.2805



# Rectangle

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



64.2514, 0.3539, 0.3178



64.2514, 0.3715, 0.3582



64.2514, 0.2725, 0.3389



64.2514, 0.2572, 0.2960

# Sweetspot

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



64.2537, 0.3539, 0.3178



88.2280, 0.3227, 0.3259



65.0074, 0.3072, 0.2677



18.6783, 0.3236, 0.3256



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

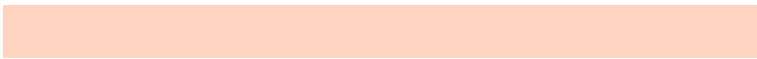
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.2537, 0.3539, 0.3178



58.2390, 0.3657, 0.3153



72.9059, 0.3583, 0.3489



18.0404, 0.3266, 0.3247



11.2266, 0.6131, 0.3151



1.1069, 0.5843, 0.2992



# Inverse Universe

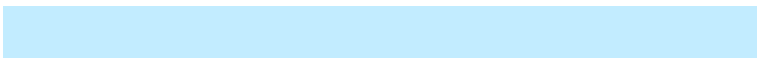
The Inverse Universe completely reimagines the original color for something new.



64.2537, 0.3539, 0.3178



58.2390, 0.3657, 0.3153



78.5004, 0.2756, 0.3081



18.0404, 0.3266, 0.3247



11.2266, 0.6131, 0.3151



1.1069, 0.5843, 0.2992



# Previews

## White Background



This preview shows how the Yxy color 64.2514, 0.3539, 0.3178 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

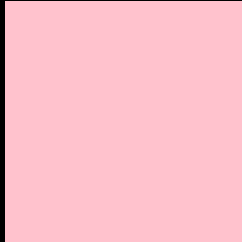
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.2514, 0.3539, 0.3178 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 64.2514, 0.3539, 0.3178**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.2514, 0.3539, 0.3178.



This preview shows how white text looks on a background with the Yxy color 64.2514, 0.3539, 0.3178.

# 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

64.2514, 0.3539, 0.3178

### Protanopia

64.6021, 0.3122, 0.3234

### Deuteranopia

64.3473, 0.3362, 0.3291



## Tritanopia

64.3976, 0.3515, 0.3147

# Trichromacy



## Original Color

64.2514, 0.3539, 0.3178

## Protanomaly

64.3829, 0.3262, 0.3214

## Deuteranomaly

64.3690, 0.3423, 0.3248

## Tritanomaly

64.3486, 0.3523, 0.3157

# Monochromacy



## Original Color

64.2514, 0.3539, 0.3178

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

65.2897, 0.3267, 0.3247

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.2514, 0.3539, 0.3178 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, 194, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 205)  
}
```

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, 194, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 64.2514, 0.3539, 0.3178 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, 194, 205) }
```

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

```
.border{ border-color:rgb(255, 194, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 194, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 205);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
205) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.2514, 0.3539, 0.3178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 194, 205) }
```

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

```
.background{ background-color: rgb(255,  
194, 205) }
```

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