

# Converting Colors

$Y_{xy}(66.1939, 0.3514, 0.3242)$

Have a look what the booklet for  
Yxy(66.1939, 0.3514, 0.3242)  
contains.

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# Color

**Yxy(65.9019, 0.3513, 0.3239)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCC7CC
RGB	252, 199, 204
RGB Percent	99%, 78%, 80%
CMY	0.0116, 0.2196, 0.2000
CMYK	0.00, 0.21, 0.19, 0.01
HSL	354°, 90%, 88%
HSV	354°, 21%, 99%
XYZ	71.4768, 65.9019, 66.0850
YIQ	215.4170, 29.9830, 12.7910

# Conversions

## Conversions Part 2

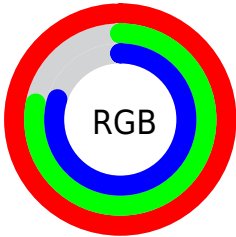
Format	Color
R <sub>Y</sub> B	252, 199, 204
Decimal	16566220
CIE Lab	84.95, 19.57, 4.71
CIE LCh	85, 20.132, 13.534
Yxy	65.9019, 0.3513, 0.3239
Android (android.graphics.Color)	4294756300 (0xFFFC7CC)
YUV	215.4170, -5.6286, 32.0833
Hunter-Lab	81.1800, 15.0995, 8.5606

# Details

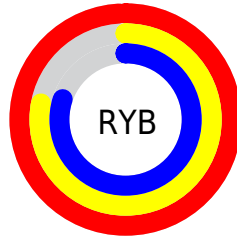
The Yxy color **65.9019, 0.3513, 0.3239** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **88.4988, 0.2839, 0.3342**, and the grayscale version is **68.2796, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.0549, 0.3611, 0.3225** is the 20% darker color. If you saturate the color by 10%, you get **54.2362, 0.3769, 0.3213**, and if you desaturate by 10%, it is **79.6546, 0.3307, 0.3264**.

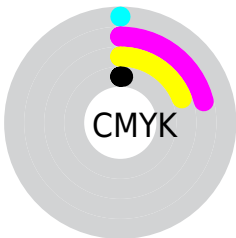
# Distribution



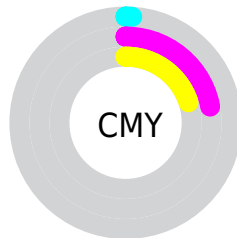
- Red (99%)
- Green (78%)
- Blue (80%)



- Red (99%)
- Yellow (78%)
- Blue (80%)



- Cyan (0%)
- Magenta (21%)
- Yellow (19%)
- Black (1%)




- Cyan (1%)
- Magenta (22%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.9019, 0.3513, 0.3239 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 65.9019, 0.3513, 0.3239 by changing the saturation by 10% instead.




 65.9019, 0.3513,  
0.3239

 65.9019, 0.3513,  
0.3239


446.0260, 0.3330,  
0.3265

 48.1928, 0.3556,  
0.3232

113.3455, 0.3449,  
0.3249

 33.9796, 0.3609,  
0.3224


143.8488, 0.3424,  
0.3252

 22.8779, 0.3678,  
0.3213


179.3856, 0.3403,  
0.3255

 14.5034, 0.3770,  
0.3197

220.3403, 0.3384,  
0.3258

 8.4716, 0.3897,  
0.3174

267.0973, 0.3368,  
0.3260

 4.3982, 0.4087,  
0.3137

320.0410, 0.3354,

 1.8987, 0.4399,

0.3262

0.3069

379.5557, 0.3341,  
0.3264

0.5476, 0.5531,  
0.3004

0.0000, 0.0000,  
0.0000

65.9019, 0.3513,  
0.3239

65.9019, 0.3513,  
0.3239

54.2362, 0.3769,  
0.3213

79.6546, 0.3307,  
0.3264

44.5470, 0.4083,  
0.3189

95.5797, 0.3142,  
0.3288

36.7274, 0.4460,  
0.3168

99.4416, 0.3109,  
0.3290

30.6567, 0.4892,  
0.3157

■ 26.2002, 0.5350,  
0.3158

■ 23.2033, 0.5783,  
0.3178

■ 21.4813, 0.6125,  
0.3216

■ 20.7669, 0.6317,  
0.3254

# Harmonies

## Analogous

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



65.9019, 0.3299, 0.3047



65.9019, 0.3513, 0.3239



65.9019, 0.3621, 0.3451

# Triad

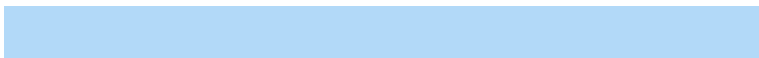
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.9019, 0.3513, 0.3239



65.9019, 0.3195, 0.3704



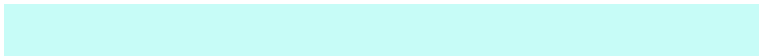
65.9019, 0.2682, 0.2936

# Complementary

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



65.9019, 0.3513, 0.3239



88.4988, 0.2839, 0.3342

# 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.



65.9019, 0.2658, 0.3098



65.9019, 0.3513, 0.3239



65.9019, 0.2947, 0.3553

# Square

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



65.9019, 0.3513, 0.3239



65.9019, 0.3431, 0.3730



65.9019, 0.2753, 0.3325



65.9019, 0.2820, 0.2873



# Rectangle

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



65.9019, 0.3513, 0.3239



65.9019, 0.3615, 0.3578



65.9019, 0.2753, 0.3325



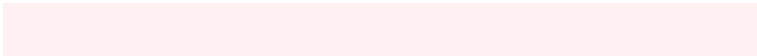
65.9019, 0.2660, 0.2980

# Sweetspot

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



65.9049, 0.3513, 0.3239



89.7634, 0.3220, 0.3276



67.5985, 0.3113, 0.2759



18.9852, 0.3230, 0.3275



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

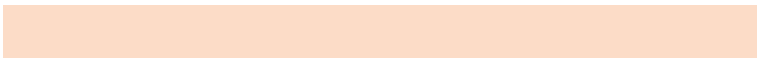
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.9049, 0.3513, 0.3239



62.6748, 0.3608, 0.3229



76.1206, 0.3508, 0.3509



17.2519, 0.3279, 0.3268



10.8237, 0.6295, 0.3242



1.0111, 0.6081, 0.3123



# Inverse Universe

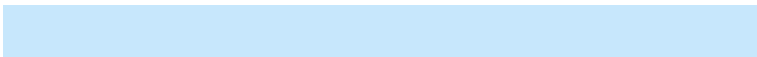
The Inverse Universe completely reimagines the original color for something new.



65.9049, 0.3513, 0.3239



62.6748, 0.3608, 0.3229



76.2206, 0.2797, 0.3061



17.2519, 0.3279, 0.3268



10.8237, 0.6295, 0.3242



1.0111, 0.6081, 0.3123



# Previews

## White Background



This preview shows how the Yxy color 65.9019, 0.3513, 0.3239 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

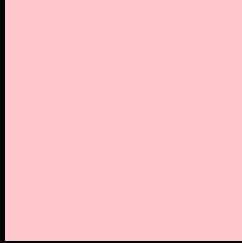
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.9019, 0.3513, 0.3239 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

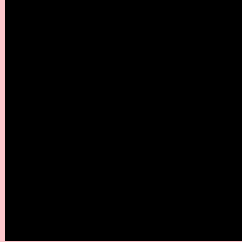
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.9019, 0.3513, 0.3239**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.9019, 0.3513, 0.3239.



This preview shows how white text looks on a background with the Yxy color 65.9019, 0.3513, 0.3239.

# 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

65.9019, 0.3513, 0.3239

### Protanopia

65.8906, 0.3164, 0.3290

### Deuteranopia

65.8073, 0.3383, 0.3312



## Tritanopia

66.0749, 0.3452, 0.3137

# Trichromacy



## Original Color

65.9019, 0.3513, 0.3239

## Protanomaly

65.8377, 0.3288, 0.3280

## Deuteranomaly

65.9009, 0.3433, 0.3291

## Tritanomaly

65.9240, 0.3475, 0.3167

# Monochromacy



## Original Color

65.9019, 0.3513, 0.3239

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

66.7981, 0.3257, 0.3269

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.9019, 0.3513, 0.3239 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(252, 199, 204)` looks like.

```
.text, #text, p{  
    color:rgb(252, 199, 204)  
}
```

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(252, 199, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 199, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 65.9019, 0.3513, 0.3239 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(252, 199, 204) }
```

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

```
.border{ border-color:rgb(252, 199, 204) }
```

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

Here you see how a box with a 4 pixel rgb(252, 199, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 199, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 199, 204);  
box-shadow:4px 4px 4px 4px rgb(252, 199,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.9019, 0.3513, 0.3239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 199, 204) }
```

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

```
.background{ background-color: rgb(252,  
199, 204) }
```

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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