

# Converting Colors

$Y_{xy}(59.7416, 0.3267, 0.3214)$

Have a look what the booklet for  
Yxy(59.7416, 0.3267, 0.3214)  
contains.

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# Color

**Yxy(59.6643, 0.3266, 0.3211)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDC5CC
RGB	221, 197, 204
RGB Percent	87%, 77%, 80%
CMY	0.1333, 0.2274, 0.1999
CMYK	0.00, 0.11, 0.08, 0.13
HSL	342°, 26%, 82%
HSV	342°, 11%, 87%
XYZ	60.6863, 59.6643, 65.4616
YIQ	204.9740, 12.0570, 7.2650

# Conversions

## Conversions Part 2

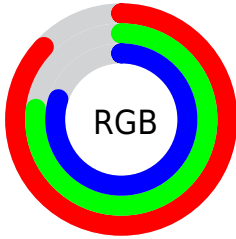
Format	Color
RYB	221, 197, 204
Decimal	14534092
CIELab	81.66, 9.62, -0.43
CIELCh	82, 9.628, 357.449
Yxy	59.6643, 0.3266, 0.3211
Android (android.graphics.Color)	4292724172 (0xFFDDC5CC)
YUV	204.9740, -0.4802, 14.0548
Hunter-Lab	77.2427, 5.0652, 3.8228

# Details

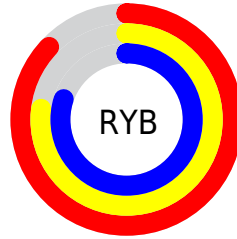
The Yxy color **59.6643, 0.3266, 0.3211** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.4368, 0.3005, 0.3370**, and the grayscale version is **61.0326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3636, 0.3128, 0.3281**, and **29.9539, 0.3303, 0.3186** is the 20% darker color. If you saturate the color by 10%, you get **49.6424, 0.3424, 0.3134**, and if you desaturate by 10%, it is **71.2380, 0.3137, 0.3284**.

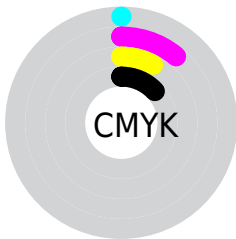
# Distribution



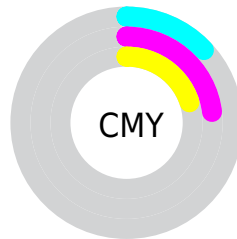
- Red (87%)
- Green (77%)
- Blue (80%)



- Red (87%)
- Yellow (77%)
- Blue (80%)



- Cyan (0%)
- Magenta (11%)
- Yellow (8%)
- Black (13%)




- Cyan (13%)
- Magenta (23%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.6643, 0.3266, 0.3211 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 59.6643, 0.3266, 0.3211 by changing the saturation by 10% instead.



 59.6643, 0.3266,  
0.3211

 59.6643, 0.3266,  
0.3211


423.3593, 0.3199,  
0.3249

 43.1481, 0.3282,  
0.3202

104.3425, 0.3242,  
0.3224

 30.0013, 0.3302,  
0.3191


133.2734, 0.3233,  
0.3230

 19.8396, 0.3327,  
0.3176


167.1112, 0.3226,  
0.3234

 12.2785, 0.3362,  
0.3156

206.2405, 0.3219,  
0.3238

 6.9336, 0.3411,  
0.3129

251.0455, 0.3213,  
0.3241

 3.4206, 0.3486,  
0.3086

301.9107, 0.3208,

 1.3551, 0.3615,

0.3244

0.3014

359.2205, 0.3204,  
0.3247

0.1833, 0.4977,  
0.2230

0.0000, 0.0000,  
0.0000

59.6643, 0.3266,  
0.3211

59.6643, 0.3266,  
0.3211

49.6424, 0.3424,  
0.3134

71.2380, 0.3137,  
0.3284

41.0983, 0.3619,  
0.3054

84.4176, 0.3032,  
0.3352

33.9641, 0.3854,  
0.2975

93.8518, 0.2945,  
0.3331

28.1632, 0.4134,  
0.2904

94.1120, 0.2923,  
0.3289

■ 23.6116, 0.4458,  
0.2849

■ 20.2157, 0.4817,  
0.2822

■ 17.8689, 0.5188,  
0.2835

■ 16.4439, 0.5539,  
0.2893

■ 15.7502, 0.5817,  
0.2978

# Harmonies

## Analogous

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



59.6643, 0.3146, 0.3126



59.6643, 0.3266, 0.3211



59.6643, 0.3349, 0.3317

# Triad

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



59.6643, 0.3266, 0.3211



59.6643, 0.3228, 0.3506



59.6643, 0.2889, 0.3155

# Complementary

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



59.6643, 0.3266, 0.3211



68.4368, 0.3005, 0.3370

# 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.



59.6643, 0.2910, 0.3256



59.6643, 0.3266, 0.3211



59.6643, 0.3104, 0.3463

# Square

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



59.6643, 0.3266, 0.3211



59.6643, 0.3326, 0.3489



59.6643, 0.2989, 0.3370



59.6643, 0.2930, 0.3092



# Rectangle

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



59.6643, 0.3266, 0.3211



59.6643, 0.3371, 0.3387



59.6643, 0.2989, 0.3370



59.6643, 0.2889, 0.3185

# Sweetspot

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



59.6669, 0.3266, 0.3211



94.8722, 0.3163, 0.3269



59.4204, 0.3084, 0.3020



20.0206, 0.3173, 0.3263



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.



59.6669, 0.3266, 0.3211



79.2239, 0.3299, 0.3194



61.5517, 0.3313, 0.3345



13.1139, 0.3246, 0.3222



9.1669, 0.5777, 0.2956



0.6087, 0.5308, 0.2698



# Inverse Universe

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



59.6669, 0.3266, 0.3211



79.2239, 0.3299, 0.3194



66.3053, 0.2960, 0.3234



13.1139, 0.3246, 0.3222



9.1669, 0.5777, 0.2956



0.6087, 0.5308, 0.2698



# Previews

## White Background



This preview shows how the Yxy color 59.6643, 0.3266, 0.3211 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

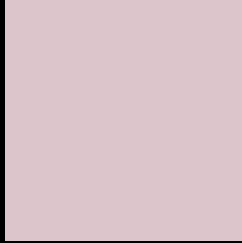
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.6643, 0.3266, 0.3211 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

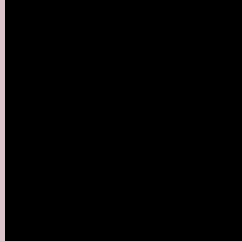
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.6643, 0.3266, 0.3211**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.6643, 0.3266, 0.3211.



This preview shows how white text looks on a background with the Yxy color 59.6643, 0.3266, 0.3211.

# 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

59.6643, 0.3266, 0.3211

### Protanopia

59.7252, 0.3115, 0.3232

### Deuteranopia

59.8217, 0.3274, 0.3212



## Tritanopia

59.7126, 0.3222, 0.3122

# Trichromacy



## Original Color

59.6643, 0.3266, 0.3211

## Protanomaly

59.6137, 0.3169, 0.3221

## Deuteranomaly

59.8217, 0.3274, 0.3212

## Tritanomaly

59.5635, 0.3245, 0.3156

# Monochromacy



## Original Color

59.6643, 0.3266, 0.3211

## Achromatopsia

61.0496, 0.3127, 0.3290

## Achromatomaly

60.4977, 0.3175, 0.3256

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.6643, 0.3266, 0.3211 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(221, 197, 204)` looks like.

```
.text, #text, p{  
    color:rgb(221, 197, 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(221, 197, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 197, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 59.6643, 0.3266, 0.3211 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(221, 197, 204) }
```

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

```
.border{ border-color:rgb(221, 197, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 197, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 197, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 197, 204);  
box-shadow:4px 4px 4px 4px rgb(221, 197,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.6643, 0.3266, 0.3211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 197, 204) }
```

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

```
.background{ background-color: rgb(221,  
197, 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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