

# Converting Colors

$Y_{xy}(58.5012, 0.3121, 0.3266)$

Have a look what the booklet for  
Yxy(58.5012, 0.3121, 0.3266)  
contains.

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# Color

**Yxy(58.6416, 0.3121, 0.3266)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAC9CB
RGB	202, 201, 203
RGB Percent	79%, 79%, 80%
CMY	0.2076, 0.2118, 0.2039
CMYK	0.00, 0.01, 0.00, 0.20
HSL	272°, 2%, 79%
HSV	272°, 1%, 80%
XYZ	56.0381, 58.6416, 64.8720
YIQ	201.5270, -0.0460, 0.8340

# Conversions

## Conversions Part 2

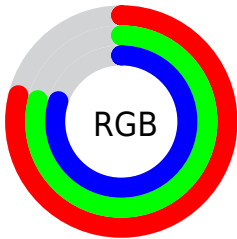
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	202, 201, 203
Decimal	13289931
CIE Lab	81.09, 0.75, -0.89
CIE LCh	81, 1.164, 310.267
Yxy	58.6416, 0.3121, 0.3266
Android (android.graphics.Color)	4291480011 (0xFFCAC9CB)
YUV	201.5270, 0.7262, 0.4148
Hunter-Lab	76.5778, -3.3884, 3.3776

# Details

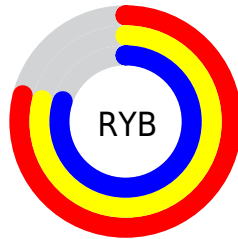
The Yxy color **58.6416, 0.3121, 0.3266** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.4799, 0.3133, 0.3314**, and the grayscale version is **58.7555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **29.3333, 0.3118, 0.3259** is the 20% darker color. If you saturate the color by 10%, you get **48.5220, 0.3053, 0.3015**, and if you desaturate by 10%, it is **70.0974, 0.3178, 0.3496**.

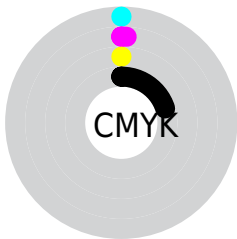
# Distribution



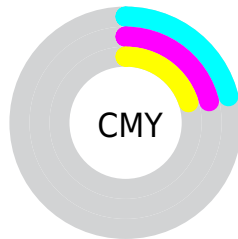
- Red (79%)
- Green (79%)
- Blue (80%)



- Red (79%)
- Yellow (79%)
- Blue (80%)



- Cyan (0%)
- Magenta (1%)
- Yellow (0%)
- Black (20%)



- Cyan (21%)
- Magenta (21%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.6416, 0.3121, 0.3266 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 58.6416, 0.3121, 0.3266 by changing the saturation by 10% instead.



■ 58.6416, 0.3121,  
0.3266

■ 58.6416, 0.3121,  
0.3266

419.5724, 0.3124,  
0.3278

■ 42.3247, 0.3120,  
0.3263

102.8566, 0.3122,  
0.3270

■ 29.3556, 0.3119,  
0.3260

131.5234, 0.3122,  
0.3272

■ 19.3500, 0.3118,  
0.3255

165.0757, 0.3123,  
0.3273

■ 11.9234, 0.3117,  
0.3249

203.8978, 0.3123,  
0.3274

■ 6.6916, 0.3114,  
0.3240

248.3742, 0.3123,  
0.3275

■ 3.2700, 0.3111,  
0.3227

298.8891, 0.3124,

■ 1.2743, 0.3105,

0.3276

355.8271, 0.3124,  
0.3277

0.3204

0.1211, 0.2976,  
0.2700

0.0000, 0.0000,  
0.0000

58.6416, 0.3121,  
0.3266

58.6416, 0.3121,  
0.3266

48.5220, 0.3053,  
0.3015

70.0974, 0.3178,  
0.3496

39.6808, 0.2974,  
0.2745

82.9293, 0.3226,  
0.3705

32.0674, 0.2883,  
0.2460

92.7118, 0.3273,  
0.3828

25.6246, 0.2780,  
0.2168

94.3164, 0.3335,  
0.3817

■ 20.2906, 0.2667,  
0.1879

■ 96.0066, 0.3397,  
0.3807

■ 15.9977, 0.2546,  
0.1606

■ 97.0924, 0.3436,  
0.3800

■ 12.6705, 0.2422,  
0.1363

■ 10.2232, 0.2299,  
0.1164

■ 8.5537, 0.2184,  
0.1017

# Harmonies

## Analogous

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



58.6416, 0.3107, 0.3265



58.6416, 0.3121, 0.3266



58.6416, 0.3136, 0.3274

# Triad

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



58.6416, 0.3121, 0.3266



58.6416, 0.3155, 0.3310



58.6416, 0.3105, 0.3294

# Complementary

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



58.6416, 0.3121, 0.3266



59.4799, 0.3133, 0.3314

# 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.



58.6416, 0.3118, 0.3307



58.6416, 0.3121, 0.3266



58.6416, 0.3147, 0.3316

# Square

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



58.6416, 0.3121, 0.3266



58.6416, 0.3156, 0.3300



58.6416, 0.3133, 0.3315



58.6416, 0.3099, 0.3281



# Rectangle

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



58.6416, 0.3121, 0.3266



58.6416, 0.3145, 0.3282



58.6416, 0.3133, 0.3315



58.6416, 0.3109, 0.3299

# Sweetspot

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



58.6441, 0.3121, 0.3266

100.0000, 0.3127, 0.3290



58.9357, 0.3112, 0.3277



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

# Same Dimension

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



58.6441, 0.3121, 0.3266



98.1600, 0.3121, 0.3266



58.7727, 0.3129, 0.3267



13.0600, 0.3121, 0.3267



4.8585, 0.2103, 0.0932



0.2955, 0.2309, 0.1046



# Inverse Universe

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



58.7243, 0.3136, 0.3279



98.2961, 0.3136, 0.3279



59.3522, 0.3126, 0.3313



13.0768, 0.3136, 0.3280



8.6150, 0.5093, 0.2579

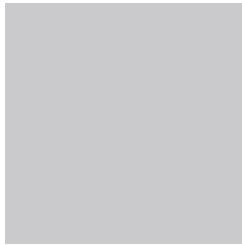


0.4597, 0.4630, 0.2324



# Previews

## White Background



This preview shows how the Yxy color 58.6416, 0.3121, 0.3266 looks on a white background.

## Color Contrast Check

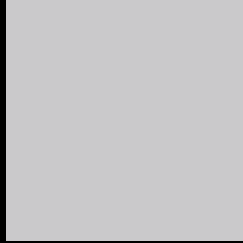
Large Text (above 18pt) WCAG AA × Fail

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 58.6416, 0.3121, 0.3266 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

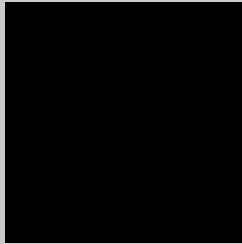
Any Text WCAG AAA ✓ Pass

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

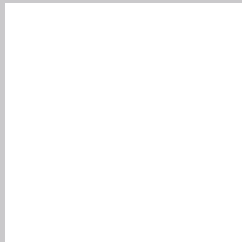


**Yxy 58.6416, 0.3121, 0.3266**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.6416, 0.3121, 0.3266.

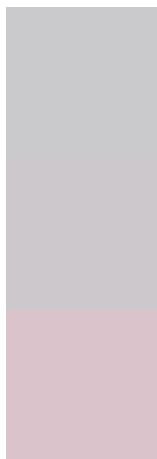


This preview shows how white text looks on a background with the Yxy color 58.6416, 0.3121, 0.3266.

# 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

58.6416, 0.3121, 0.3266

### Protanopia

58.4577, 0.3137, 0.3255

### Deuteranopia

58.4499, 0.3252, 0.3188



## Tritanopia

58.5905, 0.3051, 0.3104

# Trichromacy



## Original Color

58.6416, 0.3121, 0.3266

## Protanomaly

58.3169, 0.3129, 0.3255

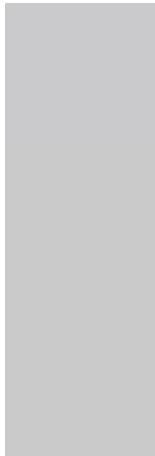
## Deuteranomaly

58.4383, 0.3202, 0.3210

## Tritanomaly

58.7082, 0.3072, 0.3161

# Monochromacy



## Original Color

58.6416, 0.3121, 0.3266

## Achromatopsia

59.0619, 0.3127, 0.3290

## Achromatomaly

59.0619, 0.3127, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.6416, 0.3121, 0.3266 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(202, 201, 203)` looks like.

```
.text, #text, p{  
    color:rgb(202, 201, 203)  
}
```

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(202, 201, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 201, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 58.6416, 0.3121, 0.3266 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(202, 201, 203) }
```

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

```
.border{ border-color:rgb(202, 201, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 201, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 201, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 201, 203);  
box-shadow:4px 4px 4px 4px rgb(202, 201,  
203) }
```

# Background

The CSS property to change the background color of an element to Yxy 58.6416, 0.3121, 0.3266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 201, 203) }
```

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

```
.background{ background-color: rgb(202,  
201, 203) }
```

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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