

# Converting Colors

Yxy(58.9180, 0.3099, 0.3217)

Have a look what the booklet for  
Yxy(58.9180, 0.3099, 0.3217)  
contains.

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# Color

**Yxy(58.9748, 0.3100, 0.3220)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBC9CF
RGB	203, 201, 207
RGB Percent	80%, 79%, 81%
CMY	0.2039, 0.2117, 0.1884
CMYK	0.02, 0.03, 0.00, 0.19
HSL	260°, 6%, 80%
HSV	260°, 3%, 81%
XYZ	56.7770, 58.9748, 67.3998
YIQ	202.2820, -0.7340, 2.2900

# Conversions

## Conversions Part 2

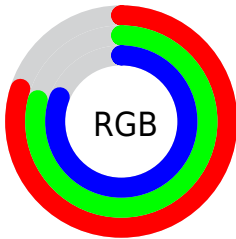
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	203, 201, 207
Decimal	13355471
CIE <sub>Lab</sub>	81.28, 1.80, -2.73
CIE <sub>LCh</sub>	81, 3.267, 303.339
Yxy	58.9748, 0.3100, 0.3220
Android (android.graphics.Color)	4291545551 (0xFFC9CF)
YUV	202.2820, 2.3260, 0.6297
Hunter-Lab	76.7951, -2.4207, 1.7202

# Details

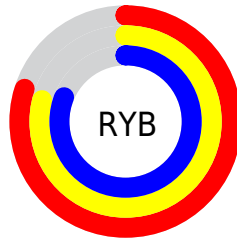
The Yxy color **58.9748, 0.3100, 0.3220** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.7994, 0.3154, 0.3360**, and the grayscale version is **59.2349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **29.5569, 0.3090, 0.3196** is the 20% darker color. If you saturate the color by 10%, you get **48.1271, 0.2996, 0.2961**, and if you desaturate by 10%, it is **71.2981, 0.3189, 0.3454**.

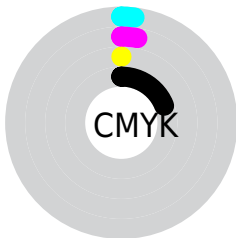
# Distribution



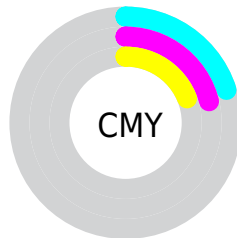
- Red (80%)
- Green (79%)
- Blue (81%)



- Red (80%)
- Yellow (79%)
- Blue (81%)



- Cyan (2%)
- Magenta (3%)
- Yellow (0%)
- Black (19%)



- Cyan (20%)
- Magenta (21%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.9748, 0.3100, 0.3220 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 58.9748, 0.3100, 0.3220 by changing the saturation by 10% instead.



■ 58.9748, 0.3100,  
0.3220

■ 58.9748, 0.3100,  
0.3220

420.8085, 0.3113,  
0.3254

■ 42.5928, 0.3097,  
0.3212

103.3410, 0.3105,  
0.3232

■ 29.5658, 0.3093,  
0.3202

132.0941, 0.3106,  
0.3236

■ 19.5092, 0.3088,  
0.3189

165.7396, 0.3108,  
0.3240

■ 12.0388, 0.3081,  
0.3172

204.6621, 0.3109,  
0.3244

■ 6.7701, 0.3071,  
0.3147

249.2458, 0.3110,  
0.3247

■ 3.3188, 0.3055,  
0.3109

299.8752, 0.3111,

■ 1.3003, 0.3029,

0.3249

356.9346, 0.3112,  
0.3252

0.3045

0.1415, 0.2683,  
0.2128

0.0000, 0.0000,  
0.0000

58.9748, 0.3100,  
0.3220

58.9748, 0.3100,  
0.3220

48.1271, 0.2996,  
0.2961

71.2981, 0.3189,  
0.3454

38.6914, 0.2876,  
0.2677

85.1424, 0.3265,  
0.3662

30.6106, 0.2740,  
0.2373

95.2867, 0.3340,  
0.3772

23.8208, 0.2590,  
0.2056

97.2833, 0.3412,  
0.3761

■ 18.2527, 0.2429,  
0.1740

■ 13.8303, 0.2262,  
0.1439

■ 10.4692, 0.2100,  
0.1173

■ 8.0722, 0.1950,  
0.0959

■ 6.5236, 0.1821,  
0.0808

# Harmonies

## Analogous

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



58.9748, 0.3065, 0.3220



58.9748, 0.3100, 0.3220



58.9748, 0.3143, 0.3238

# Triad

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



58.9748, 0.3100, 0.3220



58.9748, 0.3209, 0.3341



58.9748, 0.3073, 0.3310

# Complementary

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



58.9748, 0.3100, 0.3220



61.7994, 0.3154, 0.3360

# 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.



58.9748, 0.3112, 0.3343



58.9748, 0.3100, 0.3220



58.9748, 0.3190, 0.3361

# Square

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



58.9748, 0.3100, 0.3220



58.9748, 0.3206, 0.3308



58.9748, 0.3154, 0.3362



58.9748, 0.3050, 0.3272



# Rectangle

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



58.9748, 0.3100, 0.3220



58.9748, 0.3170, 0.3258



58.9748, 0.3154, 0.3362



58.9748, 0.3085, 0.3322

# Sweetspot

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



58.9773, 0.3100, 0.3220



98.0646, 0.3118, 0.3266



60.5741, 0.3083, 0.3267



21.0103, 0.3118, 0.3267



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

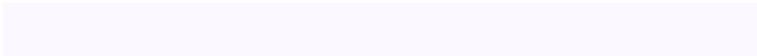


# Same Dimension

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



58.9773, 0.3100, 0.3220



94.2668, 0.3098, 0.3216



59.3966, 0.3123, 0.3221



13.0076, 0.3091, 0.3198



3.7008, 0.1757, 0.0741



0.2501, 0.1965, 0.0856



# Inverse Universe

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



59.4416, 0.3145, 0.3244



95.0508, 0.3146, 0.3242



61.3829, 0.3131, 0.3360



13.1433, 0.3151, 0.3230



9.5177, 0.4280, 0.2131

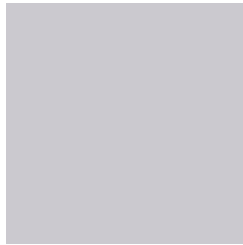


0.5466, 0.4035, 0.1996



# Previews

## White Background



This preview shows how the Yxy color 58.9748, 0.3100, 0.3220 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

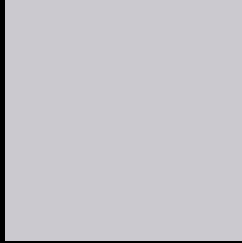
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.9748, 0.3100, 0.3220 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

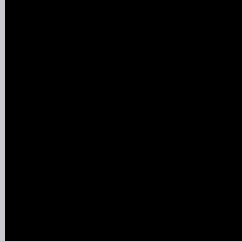
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

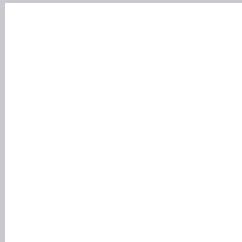
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.9748, 0.3100, 0.3220**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.9748, 0.3100, 0.3220.

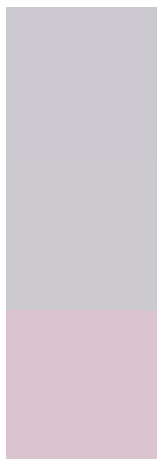


This preview shows how white text looks on a background with the Yxy color 58.9748, 0.3100, 0.3220.

# 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

58.9748, 0.3100, 0.3220

### Protanopia

59.1157, 0.3107, 0.3220

### Deuteranopia

58.9393, 0.3213, 0.3154



## Tritanopia

59.0522, 0.3051, 0.3116

# Trichromacy



## Original Color

58.9748, 0.3100, 0.3220

## Protanomaly

59.1157, 0.3107, 0.3220

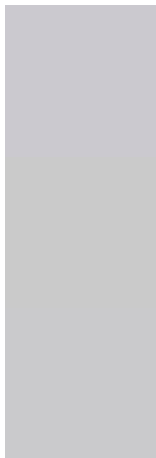
## Deuteranomaly

59.0884, 0.3172, 0.3175

## Tritanomaly

58.8994, 0.3072, 0.3150

# Monochromacy



## Original Color

58.9748, 0.3100, 0.3220

## Achromatopsia

59.0619, 0.3127, 0.3290

## Achromatomaly

59.1572, 0.3113, 0.3266

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.9748, 0.3100, 0.3220 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(203, 201, 207)` looks like.

```
.text, #text, p{  
    color:rgb(203, 201, 207)  
}
```

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(203, 201, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 201, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 58.9748, 0.3100, 0.3220 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(203, 201, 207) }
```

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

```
.border{ border-color:rgb(203, 201, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 201, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 201, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 201, 207);  
box-shadow:4px 4px 4px 4px rgb(203, 201,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.9748, 0.3100, 0.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 201, 207) }
```

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

```
.background{ background-color: rgb(203,  
201, 207) }
```

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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