

# Converting Colors

$Y_{xy}(58.9976, 0.3122, 0.3189)$

Have a look what the booklet for  
Yxy(58.9976, 0.3122, 0.3189)  
contains.

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# Color

**Yxy(59.1280, 0.3124, 0.3197)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFC8D0
RGB	207, 200, 208
RGB Percent	81%, 78%, 82%
CMY	0.1881, 0.2157, 0.1843
CMYK	0.00, 0.04, 0.00, 0.18
HSL	293°, 8%, 80%
HSV	293°, 4%, 82%
XYZ	57.7779, 59.1280, 68.0425
YIQ	203.0050, 1.6040, 3.9720

# Conversions

## Conversions Part 2

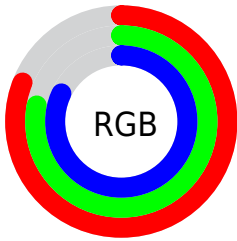
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	207, 200, 208
Decimal	13617360
CIE Lab	81.36, 3.89, -3.12
CIE LCh	81, 4.992, 321.249
Yxy	59.1280, 0.3124, 0.3197
Android (android.graphics.Color)	4291807440 (0xFFCFC8D0)
YUV	203.0050, 2.4625, 3.5036
Hunter-Lab	76.8947, -0.4428, 1.3619

# Details

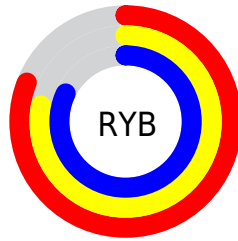
The Yxy color **59.1280, 0.3124, 0.3197** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.6954, 0.3130, 0.3384**, and the grayscale version is **59.7116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **29.6632, 0.3123, 0.3167** is the 20% darker color. If you saturate the color by 10%, you get **49.7823, 0.3114, 0.2948**, and if you desaturate by 10%, it is **69.7953, 0.3131, 0.3434**.

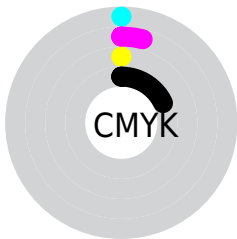
# Distribution



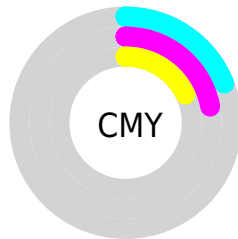
- Red (81%)
- Green (78%)
- Blue (82%)



- Red (81%)
- Yellow (78%)
- Blue (82%)



- Cyan (0%)
- Magenta (4%)
- Yellow (0%)
- Black (18%)



- Cyan (19%)
- Magenta (22%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.1280, 0.3124, 0.3197 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 59.1280, 0.3124, 0.3197 by changing the saturation by 10% instead.



■ 59.1280, 0.3124,  
0.3197

■ 59.1280, 0.3124,  
0.3197

421.3761, 0.3126,  
0.3241

■ 42.7162, 0.3124,  
0.3186

103.5637, 0.3125,  
0.3213

■ 29.6625, 0.3123,  
0.3173

132.3563, 0.3125,  
0.3219

■ 19.5825, 0.3122,  
0.3156

166.0447, 0.3125,  
0.3224

■ 12.0920, 0.3121,  
0.3133

205.0131, 0.3125,  
0.3228

■ 6.8063, 0.3119,  
0.3101

249.6461, 0.3125,  
0.3232

■ 3.3413, 0.3117,  
0.3052

300.3280, 0.3125,

■ 1.3124, 0.3111,

0.3236

0.2970

357.4432, 0.3126,  
0.3239

0.1508, 0.3088,  
0.1954

0.0000, 0.0000,  
0.0000

59.1280, 0.3124,  
0.3197

59.1280, 0.3124,  
0.3197

49.7823, 0.3114,  
0.2948

69.7953, 0.3131,  
0.3434

41.6980, 0.3100,  
0.2692

81.8261, 0.3136,  
0.3656

34.8214, 0.3084,  
0.2435

90.4599, 0.3144,  
0.3790

29.0922, 0.3063,  
0.2188

90.8436, 0.3160,  
0.3787

■ 24.4448, 0.3040,  
0.1959

■ 91.2332, 0.3176,  
0.3785

■ 20.8069, 0.3013,  
0.1760

■ 91.6286, 0.3192,  
0.3783

■ 18.0974, 0.2984,  
0.1597

■ 92.0301, 0.3208,  
0.3780

■ 16.2227, 0.2953,  
0.1478

■ 92.4375, 0.3224,  
0.3778

■ 15.0695, 0.2922,  
0.1403

■ 92.8509, 0.3240,  
0.3775

# Harmonies

## Analogous

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



59.1280, 0.3062, 0.3180



59.1280, 0.3124, 0.3197



59.1280, 0.3188, 0.3238

# Triad

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



59.1280, 0.3124, 0.3197



59.1280, 0.3238, 0.3388



59.1280, 0.3020, 0.3286

# Complementary

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



59.1280, 0.3124, 0.3197



61.6954, 0.3130, 0.3384

# 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.



59.1280, 0.3067, 0.3343



59.1280, 0.3124, 0.3197



59.1280, 0.3192, 0.3402

# Square

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



59.1280, 0.3124, 0.3197



59.1280, 0.3254, 0.3348



59.1280, 0.3129, 0.3386



59.1280, 0.3002, 0.3230



# Rectangle

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



59.1280, 0.3124, 0.3197



59.1280, 0.3222, 0.3274



59.1280, 0.3129, 0.3386



59.1280, 0.3033, 0.3305

# Sweetspot

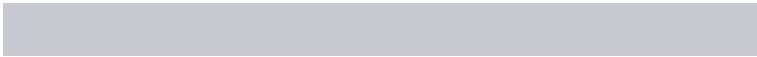
The Sweet Spot groups the original color and five complimentary colors.



59.1305, 0.3124, 0.3197



98.3252, 0.3126, 0.3266



58.6355, 0.3070, 0.3208



21.0633, 0.3126, 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.



59.1305, 0.3124, 0.3197



91.8413, 0.3123, 0.3167



59.1276, 0.3153, 0.3231



12.7285, 0.3122, 0.3153



9.1251, 0.2907, 0.1375



0.5312, 0.2966, 0.1408



# Inverse Universe

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



58.9321, 0.3183, 0.3279



91.4324, 0.3201, 0.3275



61.7000, 0.3102, 0.3350



12.6649, 0.3210, 0.3274



8.4097, 0.6239, 0.3211

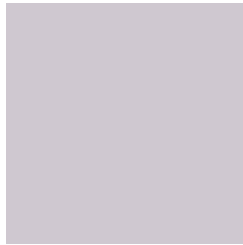


0.4782, 0.5847, 0.2994



# Previews

## White Background



This preview shows how the Yxy color 59.1280, 0.3124, 0.3197 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 59.1280, 0.3124, 0.3197 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

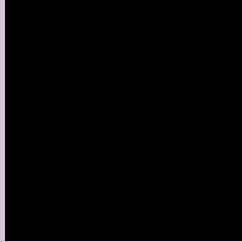
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

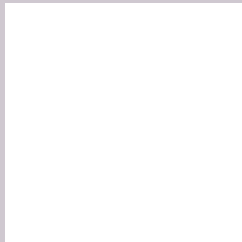
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.1280, 0.3124, 0.3197**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.1280, 0.3124, 0.3197.

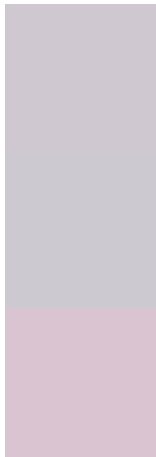


This preview shows how white text looks on a background with the Yxy color 59.1280, 0.3124, 0.3197.

# 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

59.1280, 0.3124, 0.3197

### Protanopia

59.2141, 0.3093, 0.3197

### Deuteranopia

59.1434, 0.3213, 0.3143



## Tritanopia

59.1630, 0.3082, 0.3106

# Trichromacy



## Original Color

59.1280, 0.3124, 0.3197

## Protanomaly

59.3559, 0.3101, 0.3197

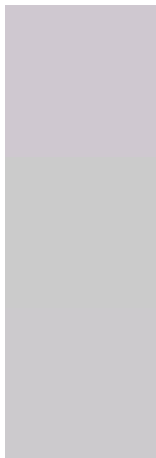
## Deuteranomaly

58.9830, 0.3181, 0.3153

## Tritanomaly

59.0102, 0.3103, 0.3140

# Monochromacy



## Original Color

59.1280, 0.3124, 0.3197

## Achromatopsia

59.7202, 0.3127, 0.3290

## Achromatomaly

59.4862, 0.3121, 0.3255

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.1280, 0.3124, 0.3197 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(207, 200, 208)` looks like.

```
.text, #text, p{  
    color:rgb(207, 200, 208)  
}
```

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(207, 200, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 200, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 59.1280, 0.3124, 0.3197 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(207, 200, 208) }
```

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

```
.border{ border-color:rgb(207, 200, 208) }
```

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

Here you see how a box with a 4 pixel rgb(207, 200, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 200, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 200, 208);  
box-shadow:4px 4px 4px 4px rgb(207, 200,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.1280, 0.3124, 0.3197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 200, 208) }
```

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

```
.background{ background-color: rgb(207,  
200, 208) }
```

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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