

# Converting Colors

Yxy(64.0658, 0.3090, 0.3301)

Have a look what the booklet for  
Yxy(64.0658, 0.3090, 0.3301)  
contains.

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# Color

**Yxy(64.2208, 0.3090, 0.3301)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDD3D2
RGB	205, 211, 210
RGB Percent	80%, 83%, 82%
CMY	0.1959, 0.1726, 0.1764
CMYK	0.03, 0.00, 0.00, 0.17
HSL	170°, 6%, 82%
HSV	170°, 3%, 83%
XYZ	60.1158, 64.2208, 70.2129
YIQ	209.0920, -3.2550, -1.5830

# Conversions

## Conversions Part 2

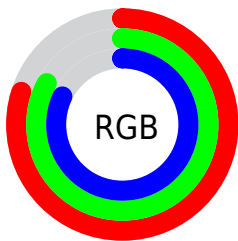
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	205, 208, 211
Decimal	13489106
CIE <sub>Lab</sub>	84.08, -2.19, -0.24
CIE <sub>LCh</sub>	84, 2.201, 186.158
Yxy	64.2208, 0.3090, 0.3301
Android (android.graphics.Color)	4291679186 (0xFFCDD3D2)
YUV	209.0920, 0.4476, -3.5887
Hunter-Lab	80.1379, -6.3387, 4.1495

# Details

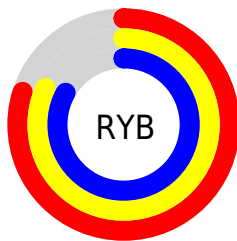
The Yxy color **64.2208, 0.3090, 0.3301** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.9909, 0.3166, 0.3279**, and the grayscale version is **63.8289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.0936, 0.3078, 0.3305** is the 20% darker color. If you saturate the color by 10%, you get **61.2520, 0.2961, 0.3343**, and if you desaturate by 10%, it is **67.6034, 0.3223, 0.3263**.

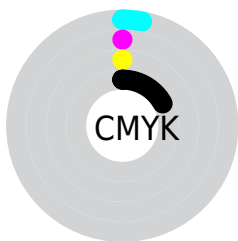
# Distribution



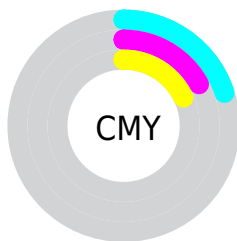
- Red (80%)
- Green (83%)
- Blue (82%)



- Red (80%)
- Yellow (82%)
- Blue (83%)



- Cyan (3%)
- Magenta (0%)
- Yellow (0%)
- Black (17%)



- Cyan (20%)
- Magenta (17%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.2208, 0.3090, 0.3301 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 64.2208, 0.3090, 0.3301 by changing the saturation by 10% instead.



■ 64.2208, 0.3090,  
0.3301

■ 64.2208, 0.3090,  
0.3301

439.9866, 0.3108,  
0.3296

■ 46.8295, 0.3086,  
0.3302

110.9289, 0.3096,  
0.3299

■ 32.9009, 0.3081,  
0.3304

141.0144, 0.3099,  
0.3299

■ 22.0506, 0.3074,  
0.3306

176.1003, 0.3101,  
0.3298

■ 13.8940, 0.3065,  
0.3308

216.5707, 0.3102,  
0.3297

■ 8.0470, 0.3053,  
0.3312

262.8101, 0.3104,  
0.3297

■ 4.1250, 0.3034,  
0.3317

315.2030, 0.3105,

■ 1.7438, 0.3004,

0.3297

0.3326

374.1337, 0.3107,  
0.3296

0.4517, 0.2814,  
0.3381

0.0000, 0.0000,  
0.0000

64.2208, 0.3090,  
0.3301

64.2208, 0.3090,  
0.3301

61.2520, 0.2961,  
0.3343

67.6034, 0.3223,  
0.3263

58.6726, 0.2839,  
0.3388


71.4069, 0.3358,  
0.3230

56.4684, 0.2727,  
0.3438


73.0284, 0.3392,  
0.3196

54.6207, 0.2628,  
0.3490

73.2129, 0.3367,  
0.3162


 53.1096, 0.2544,  
0.3545


 73.4012, 0.3342,  
0.3128


 51.9131, 0.2477,  
0.3602


 73.5932, 0.3317,  
0.3094


 51.0064, 0.2430,  
0.3660

 73.7891, 0.3292,  
0.3060

 50.3613, 0.2402,  
0.3719

 73.9888, 0.3268,  
0.3026

 49.9435, 0.2392,  
0.3777

 74.1924, 0.3244,  
0.2993

# Harmonies

## Analogous

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



64.2208, 0.3114, 0.3323



64.2208, 0.3090, 0.3301



64.2208, 0.3076, 0.3276

# Triad

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



64.2208, 0.3090, 0.3301



64.2208, 0.3112, 0.3245



64.2208, 0.3180, 0.3325

# Complementary

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



64.2208, 0.3090, 0.3301



61.9909, 0.3166, 0.3279

# 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.



64.2208, 0.3179, 0.3304



64.2208, 0.3090, 0.3301



64.2208, 0.3140, 0.3258

# Square

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



64.2208, 0.3090, 0.3301



64.2208, 0.3088, 0.3244



64.2208, 0.3165, 0.3279



64.2208, 0.3166, 0.3337



# Rectangle

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



64.2208, 0.3090, 0.3301



64.2208, 0.3073, 0.3261



64.2208, 0.3165, 0.3279



64.2208, 0.3181, 0.3319

# Sweetspot

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



64.2235, 0.3090, 0.3301



99.4928, 0.3114, 0.3294



64.1208, 0.3131, 0.3359



21.3009, 0.3114, 0.3294



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.



64.2235, 0.3090, 0.3301



98.4978, 0.3087, 0.3302



63.2944, 0.3084, 0.3267



13.7389, 0.3078, 0.3305



30.0353, 0.2392, 0.3810



1.6884, 0.2362, 0.3703



# Inverse Universe

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



61.9909, 0.3166, 0.3279



94.8102, 0.3169, 0.3278



62.8975, 0.3171, 0.3313



13.1017, 0.3179, 0.3275



8.4390, 0.6152, 0.3163

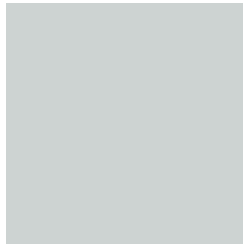


0.4819, 0.5683, 0.2905



# Previews

## White Background



This preview shows how the Yxy color 64.2208, 0.3090, 0.3301 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

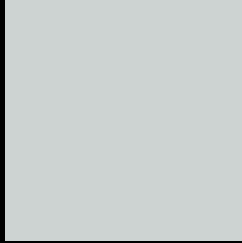
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.2208, 0.3090, 0.3301 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

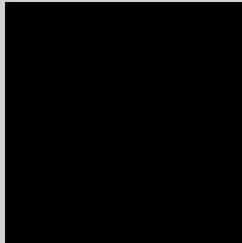
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

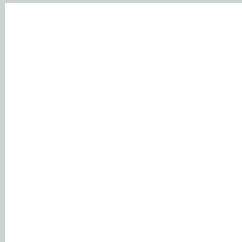
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.2208, 0.3090, 0.3301**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.2208, 0.3090, 0.3301.

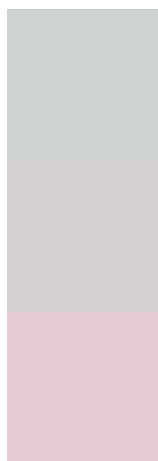


This preview shows how white text looks on a background with the Yxy color 64.2208, 0.3090, 0.3301.

# 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

64.2208, 0.3090, 0.3301

### Protanopia

64.3505, 0.3157, 0.3290

### Deuteranopia

64.1234, 0.3263, 0.3192



## Tritanopia

64.3026, 0.3004, 0.3109

# Trichromacy



## Original Color

64.2208, 0.3090, 0.3301

## Protanomaly

64.3983, 0.3134, 0.3301

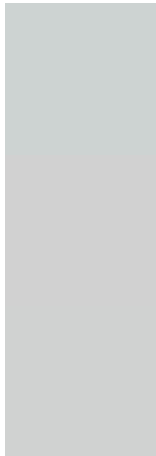
## Deuteranomaly

64.0614, 0.3198, 0.3234

## Tritanomaly

64.3823, 0.3030, 0.3176

# Monochromacy



## Original Color

64.2208, 0.3090, 0.3301

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

64.1065, 0.3119, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.2208, 0.3090, 0.3301 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(205, 211, 210)` looks like.

```
.text, #text, p{  
    color:rgb(205, 211, 210)  
}
```

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(205, 211, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 211, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 64.2208, 0.3090, 0.3301 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(205, 211, 210) }
```

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

```
.border{ border-color:rgb(205, 211, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 211, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 211, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 211, 210);  
box-shadow:4px 4px 4px 4px rgb(205, 211,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.2208, 0.3090, 0.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 211, 210) }
```

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

```
.background{ background-color: rgb(205,  
211, 210) }
```

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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