

# Converting Colors

$Yxy(62.7070, 0.3142, 0.3310)$

Have a look what the booklet for  
Yxy(62.7070, 0.3142, 0.3310)  
contains.

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# Color

**Yxy(62.9779, 0.3141, 0.3313)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0D0CE
RGB	208, 208, 206
RGB Percent	82%, 82%, 81%
CMY	0.1843, 0.1843, 0.1921
CMYK	0.00, 0.00, 0.01, 0.18
HSL	60°, 2%, 81%
HSV	60°, 1%, 82%
XYZ	59.7083, 62.9779, 67.4071
YIQ	207.7720, 0.6420, -0.6220

# Conversions

## Conversions Part 2

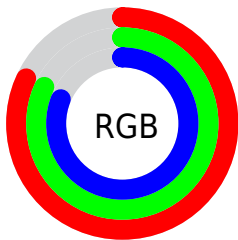
Format	Color
R <sub>Y</sub> B	206, 208, 206
Decimal	13684942
CIE Lab	83.43, -0.36, 0.98
CIE LCh	83, 1.040, 110.187
Yxy	62.9779, 0.3141, 0.3313
Android (android.graphics.Color)	4291875022 (0xFFD0D0CE)
YUV	207.7720, -0.8736, 0.2000
Hunter-Lab	79.3586, -4.5767, 5.1902

# Details

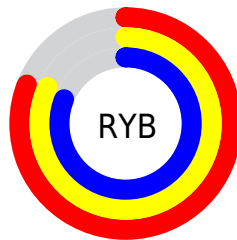
The Yxy color **62.9779, 0.3141, 0.3313** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.8269, 0.3113, 0.3267**, and the grayscale version is **62.9280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.2482, 0.3146, 0.3321** is the 20% darker color. If you saturate the color by 10%, you get **62.0177, 0.3288, 0.3558**, and if you desaturate by 10%, it is **64.0774, 0.3000, 0.3079**.

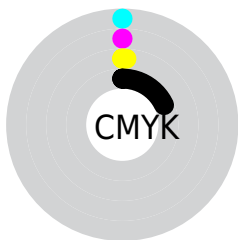
# Distribution



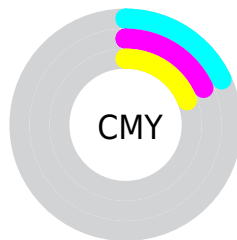
- Red (82%)
- Green (82%)
- Blue (81%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (1%)
- Black (18%)



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.9779, 0.3141, 0.3313 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 62.9779, 0.3141, 0.3313 by changing the saturation by 10% instead.



■ 62.9779, 0.3141,  
0.3313

■ 62.9779, 0.3141,  
0.3313

435.4893, 0.3134,  
0.3302

■ 45.8233, 0.3143,  
0.3316

109.1376, 0.3139,  
0.3309

■ 32.1064, 0.3144,  
0.3319

138.9116, 0.3138,  
0.3308

■ 21.4428, 0.3147,  
0.3323

173.6608, 0.3137,  
0.3306

■ 13.4481, 0.3150,  
0.3328

213.7696, 0.3136,  
0.3305

■ 7.7378, 0.3155,  
0.3336

259.6225, 0.3136,  
0.3304

■ 3.9276, 0.3162,  
0.3348

311.6038, 0.3135,

■ 1.6332, 0.3174,

0.3304

370.0979, 0.3135,  
0.3303

0.3367

0.3798, 0.3270,  
0.3526

0.0000, 0.0000,  
0.0000

62.9779, 0.3141,  
0.3313

62.9779, 0.3141,  
0.3313

62.0177, 0.3288,  
0.3558

64.0774, 0.3000,  
0.3079

61.1833, 0.3439,  
0.3809

65.3128, 0.2868,  
0.2859

60.4720, 0.3588,  
0.4058

65.7975, 0.2823,  
0.2784

59.8778, 0.3731,  
0.4297

65.8154, 0.2824,  
0.2784

■ 59.3942, 0.3861,  
0.4515

■ 65.8334, 0.2825,  
0.2785

■ 59.0142, 0.3974,  
0.4704

■ 65.8513, 0.2826,  
0.2785

■ 58.7298, 0.4064,  
0.4855

■ 65.8692, 0.2827,  
0.2785

■ 58.5320, 0.4128,  
0.4964

■ 65.8872, 0.2828,  
0.2785

■ 58.4101, 0.4166,  
0.5030

■ 65.9052, 0.2828,  
0.2785

# Harmonies

## Analogous

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



62.9779, 0.3150, 0.3310



62.9779, 0.3141, 0.3313



62.9779, 0.3128, 0.3310

# Triad

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



62.9779, 0.3141, 0.3313



62.9779, 0.3102, 0.3279



62.9779, 0.3139, 0.3279

# Complementary

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



62.9779, 0.3141, 0.3313



61.8269, 0.3113, 0.3267

# 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.



62.9779, 0.3126, 0.3271



62.9779, 0.3141, 0.3313



62.9779, 0.3105, 0.3270

# Square

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



62.9779, 0.3141, 0.3313



62.9779, 0.3106, 0.3290



62.9779, 0.3114, 0.3268



62.9779, 0.3149, 0.3291



# Rectangle

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



62.9779, 0.3141, 0.3313



62.9779, 0.3119, 0.3305



62.9779, 0.3114, 0.3268



62.9779, 0.3135, 0.3276

# Sweetspot

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



62.9806, 0.3141, 0.3313

100.0000, 0.3127, 0.3290



62.0151, 0.3142, 0.3290



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.



62.9806, 0.3141, 0.3313



99.8340, 0.3142, 0.3314



62.8381, 0.3134, 0.3313



13.9769, 0.3141, 0.3313



36.3647, 0.4183, 0.5061



2.0345, 0.4185, 0.5059



# Inverse Universe

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



61.8269, 0.3113, 0.3267



97.9062, 0.3112, 0.3266



61.9685, 0.3121, 0.3267



13.7257, 0.3114, 0.3267



2.8448, 0.1502, 0.0601

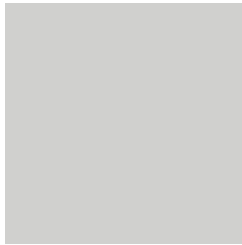


0.1603, 0.1509, 0.0605



# Previews

## White Background



This preview shows how the Yxy color 62.9779, 0.3141, 0.3313 looks on a white background.

## Color Contrast Check

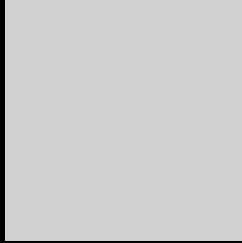
Large Text (above 18pt) WCAG AA × Fail

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 62.9779, 0.3141, 0.3313 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

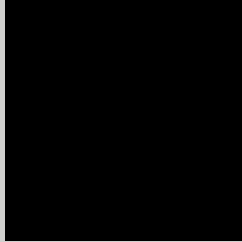
Any Text WCAG AAA ✓ Pass

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

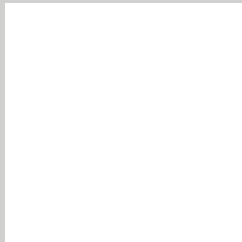


**Yxy 62.9779, 0.3141, 0.3313**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.9779, 0.3141, 0.3313.

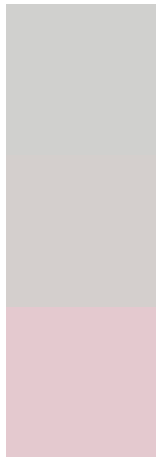


This preview shows how white text looks on a background with the Yxy color 62.9779, 0.3141, 0.3313.

# 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

62.9779, 0.3141, 0.3313

### Protanopia

63.0305, 0.3179, 0.3313

### Deuteranopia

62.7723, 0.3295, 0.3224



## Tritanopia

63.1182, 0.3046, 0.3110

# Trichromacy



## Original Color

62.9779, 0.3141, 0.3313

## Protanomaly

62.8823, 0.3172, 0.3313

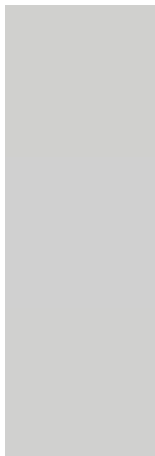
## Deuteranomaly

63.0629, 0.3237, 0.3257

## Tritanomaly

63.1388, 0.3080, 0.3188

# Monochromacy



## Original Color

62.9779, 0.3141, 0.3313

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

63.0266, 0.3134, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.9779, 0.3141, 0.3313 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(208, 208, 206) looks like.

```
.text, #text, p{  
    color:rgb(208, 208, 206)  
}
```

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(208, 208, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 208, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 62.9779, 0.3141, 0.3313 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(208, 208, 206) }
```

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

```
.border{ border-color:rgb(208, 208, 206) }
```

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

Here you see how a box with a 4 pixel rgb(208, 208, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 208, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 208, 206);  
box-shadow:4px 4px 4px 4px rgb(208, 208,  
206) }
```

# Background

The CSS property to change the background color of an element to Yxy 62.9779, 0.3141, 0.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 208, 206) }
```

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

```
.background{ background-color: rgb(208,  
208, 206) }
```

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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