

# Converting Colors

$Y_{xy}(62.1779, 0.3157, 0.3382)$

Have a look what the booklet for  
Yxy(62.1779, 0.3157, 0.3382)  
contains.

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# Color

**Yxy(62.2610, 0.3161, 0.3383)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDD0C8
RGB	205, 208, 200
RGB Percent	80%, 82%, 78%
CMY	0.1958, 0.1844, 0.2156
CMYK	0.01, 0.00, 0.04, 0.18
HSL	82°, 8%, 80%
HSV	82°, 4%, 82%
XYZ	58.1753, 62.2610, 63.6045
YIQ	206.1910, 0.7800, -3.1240

# Conversions

## Conversions Part 2

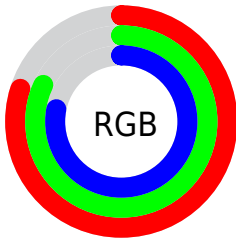
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	200, 208, 203
Decimal	13488328
CIE <sub>Lab</sub>	83.05, -2.42, 3.59
CIE <sub>LCh</sub>	83, 4.332, 124.012
Yxy	62.2610, 0.3161, 0.3383
Android (android.graphics.Color)	4291678408 (0xFFCDD0C8)
YUV	206.1910, -3.0522, -1.0445
Hunter-Lab	78.9056, -6.4810, 7.4413

# Details

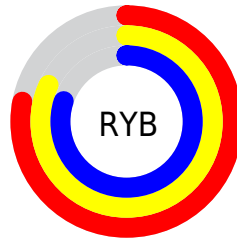
The Yxy color **62.2610, 0.3161, 0.3383** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.5548, 0.3092, 0.3197**, and the grayscale version is **61.8784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **31.7658, 0.3171, 0.3414** is the 20% darker color. If you saturate the color by 10%, you get **60.3037, 0.3250, 0.3639**, and if you desaturate by 10%, it is **64.4082, 0.3073, 0.3146**.

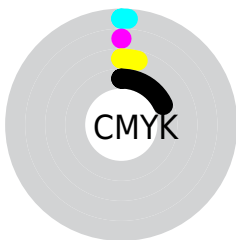
# Distribution



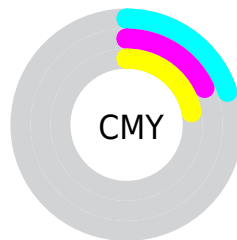
- Red (80%)
- Green (82%)
- Blue (78%)



- Red (78%)
- Yellow (82%)
- Blue (80%)



- Cyan (1%)
- Magenta (0%)
- Yellow (4%)
- Black (18%)



- Cyan (20%)
- Magenta (18%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.2610, 0.3161, 0.3383 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 62.2610, 0.3161, 0.3383 by changing the saturation by 10% instead.



■ 62.2610, 0.3161,  
0.3383

■ 62.2610, 0.3161,  
0.3383

432.8825, 0.3145,  
0.3339

■ 45.2436, 0.3165,  
0.3394

108.1027, 0.3155,  
0.3367

■ 31.6494, 0.3169,  
0.3407

137.6957, 0.3153,  
0.3361

■ 21.0938, 0.3175,  
0.3424

172.2495, 0.3151,  
0.3356

■ 13.1926, 0.3183,  
0.3447

212.1484, 0.3150,  
0.3352

■ 7.5613, 0.3195,  
0.3479

257.7767, 0.3148,  
0.3348

■ 3.8155, 0.3211,  
0.3529

309.5189, 0.3147,

■ 1.5709, 0.3239,

0.3344

0.3614

367.7594, 0.3146,  
0.3341

0.3379, 0.3655,  
0.4714

0.0000, 0.0000,  
0.0000

62.2610, 0.3161,  
0.3383

62.2610, 0.3161,  
0.3383

60.3037, 0.3250,  
0.3639

64.4082, 0.3073,  
0.3146

58.5223, 0.3338,  
0.3909

66.7429, 0.2989,  
0.2929

56.9129, 0.3422,  
0.4190

68.7868, 0.2956,  
0.2803

55.4687, 0.3497,  
0.4472

70.0525, 0.3009,  
0.2811

■ 54.1824, 0.3558,  
0.4744

■ 71.3733, 0.3063,  
0.2819

■ 53.0459, 0.3601,  
0.4994

■ 72.7498, 0.3117,  
0.2826

■ 52.0500, 0.3621,  
0.5210

■ 73.5825, 0.3149,  
0.2831

■ 51.1847, 0.3617,  
0.5379

■ 50.4375, 0.3588,  
0.5499

# Harmonies

## Analogous

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



62.2610, 0.3208, 0.3382



62.2610, 0.3161, 0.3383



62.2610, 0.3105, 0.3358

# Triad

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



62.2610, 0.3161, 0.3383



62.2610, 0.3023, 0.3223



62.2610, 0.3199, 0.3265

# Complementary

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



62.2610, 0.3161, 0.3383



58.5548, 0.3092, 0.3197

# Split Complementary

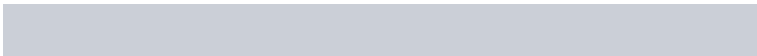
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



62.2610, 0.3148, 0.3223



62.2610, 0.3161, 0.3383



62.2610, 0.3047, 0.3199

# Square

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



62.2610, 0.3161, 0.3383



62.2610, 0.3026, 0.3265



62.2610, 0.3093, 0.3199



62.2610, 0.3230, 0.3314



# Rectangle

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



62.2610, 0.3161, 0.3383



62.2610, 0.3071, 0.3331



62.2610, 0.3093, 0.3199



62.2610, 0.3183, 0.3250

# Sweetspot

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



62.2637, 0.3161, 0.3383



99.6610, 0.3136, 0.3314



60.1976, 0.3187, 0.3323



21.3351, 0.3136, 0.3313



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.



62.2637, 0.3161, 0.3383



98.3351, 0.3172, 0.3414



61.7202, 0.3132, 0.3384



13.7390, 0.3177, 0.3428



31.2396, 0.3572, 0.5546



1.7908, 0.3687, 0.5455



# Inverse Universe

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



58.5548, 0.3092, 0.3197



90.6286, 0.3081, 0.3166



59.1042, 0.3122, 0.3197



12.5395, 0.3075, 0.3151



3.8412, 0.1796, 0.0763

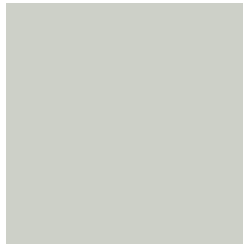


0.2592, 0.2006, 0.0879



# Previews

## White Background



This preview shows how the Yxy color 62.2610, 0.3161, 0.3383 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

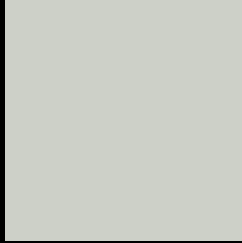
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.2610, 0.3161, 0.3383 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

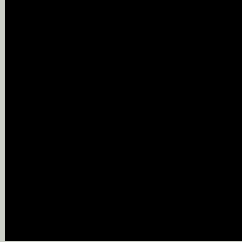
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

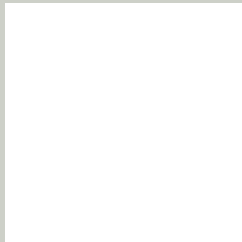
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.2610, 0.3161, 0.3383**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.2610, 0.3161, 0.3383.

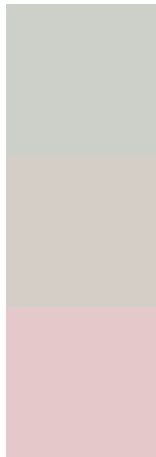


This preview shows how white text looks on a background with the Yxy color 62.2610, 0.3161, 0.3383.

# 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

62.2610, 0.3161, 0.3383

### Protanopia

62.2632, 0.3223, 0.3371

### Deuteranopia

62.0668, 0.3334, 0.3268



## Tritanopia

62.2930, 0.3039, 0.3108

# Trichromacy



## Original Color

62.2610, 0.3161, 0.3383

## Protanomaly

62.3045, 0.3199, 0.3383

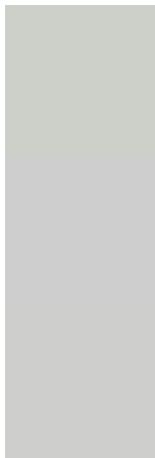
## Deuteranomaly

62.1446, 0.3274, 0.3313

## Tritanomaly

62.2121, 0.3086, 0.3210

# Monochromacy



## Original Color

62.2610, 0.3161, 0.3383

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

62.1071, 0.3141, 0.3325

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.2610, 0.3161, 0.3383 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, 208, 200)` looks like.

```
.text, #text, p{  
    color:rgb(205, 208, 200)  
}
```

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, 208, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 208, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 62.2610, 0.3161, 0.3383 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, 208, 200) }
```

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

```
.border{ border-color:rgb(205, 208, 200) }
```

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

Here you see how a box with a 4 pixel rgb(205, 208, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 208, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 208, 200);  
box-shadow:4px 4px 4px 4px rgb(205, 208,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.2610, 0.3161, 0.3383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 208, 200) }
```

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

```
.background{ background-color: rgb(205,  
208, 200) }
```

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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