

# Converting Colors

$Yxy(62.8173, 0.3197, 0.3395)$

Have a look what the booklet for  
Yxy(62.8173, 0.3197, 0.3395)  
contains.

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# Color

**Yxy(62.7906, 0.3198, 0.3394)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1D0C7
RGB	209, 208, 199
RGB Percent	82%, 82%, 78%
CMY	0.1803, 0.1843, 0.2195
CMYK	0.00, 0.00, 0.05, 0.18
HSL	54°, 10%, 80%
HSV	54°, 5%, 82%
XYZ	59.1645, 62.7906, 63.0496
YIQ	207.2730, 3.4850, -2.5870

# Conversions

## Conversions Part 2

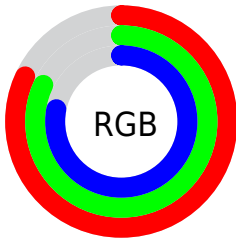
Format	Color
R <sub>Y</sub> B	200, 209, 199
Decimal	13750471
CIE Lab	83.33, -1.24, 4.56
CIE LCh	83, 4.726, 105.181
Yxy	62.7906, 0.3198, 0.3394
Android (android.graphics.Color)	4291940551 (0xFFD1D0C7)
YUV	207.2730, -4.0786, 1.5146
Hunter-Lab	79.2405, -5.3948, 8.2929

# Details

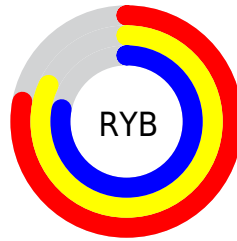
The Yxy color **62.7906, 0.3198, 0.3394** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.0787, 0.3055, 0.3184**, and the grayscale version is **62.6108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.1241, 0.3221, 0.3428** is the 20% darker color. If you saturate the color by 10%, you get **60.8572, 0.3352, 0.3618**, and if you desaturate by 10%, it is **64.8767, 0.3052, 0.3179**.

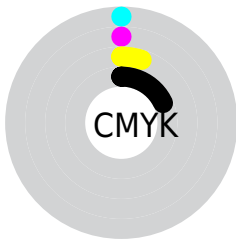
# Distribution



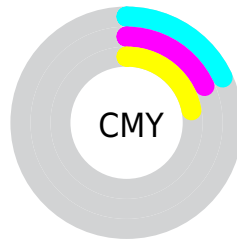
- Red (82%)
- Green (82%)
- Blue (78%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (5%)
- Black (18%)



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.7906, 0.3198, 0.3394 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 62.7906, 0.3198, 0.3394 by changing the saturation by 10% instead.



■ 62.7906, 0.3198,  
0.3394

■ 62.7906, 0.3198,  
0.3394

434.8091, 0.3164,  
0.3345

■ 45.6718, 0.3206,  
0.3406

108.8674, 0.3186,  
0.3377

■ 31.9869, 0.3216,  
0.3420

138.5941, 0.3182,  
0.3370

■ 21.3515, 0.3228,  
0.3439

173.2924, 0.3178,  
0.3364

■ 13.3812, 0.3245,  
0.3465

213.3464, 0.3174,  
0.3359

■ 7.6916, 0.3269,  
0.3500

259.1408, 0.3171,  
0.3355

■ 3.8982, 0.3305,  
0.3554

311.0597, 0.3169,

■ 1.6168, 0.3365,

0.3351

0.3646

369.4877, 0.3166,  
0.3348

0.3689, 0.4150,  
0.4778

0.0000, 0.0000,  
0.0000

62.7906, 0.3198,  
0.3394

62.7906, 0.3198,  
0.3394

60.8572, 0.3352,  
0.3618

64.8767, 0.3052,  
0.3179

59.0630, 0.3512,  
0.3846

67.1125, 0.2917,  
0.2977

57.4048, 0.3674,  
0.4072

69.0644, 0.2832,  
0.2855

55.8763, 0.3833,  
0.4287

70.1511, 0.2833,  
0.2879

■ 54.4707, 0.3982,  
0.4482

■ 71.2520, 0.2834,  
0.2902

■ 53.1806, 0.4114,  
0.4646

■ 72.3670, 0.2835,  
0.2925

■ 51.9975, 0.4224,  
0.4772

■ 73.4963, 0.2837,  
0.2948

■ 50.9116, 0.4307,  
0.4854

■ 74.6398, 0.2838,  
0.2972

■ 49.9110, 0.4364,  
0.4892

■ 75.7977, 0.2839,  
0.2995

# Harmonies

## Analogous

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



62.7906, 0.3236, 0.3375



62.7906, 0.3198, 0.3394



62.7906, 0.3142, 0.3384

# Triad

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



62.7906, 0.3198, 0.3394



62.7906, 0.3012, 0.3244



62.7906, 0.3172, 0.3233

# Complementary

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



62.7906, 0.3198, 0.3394



58.0787, 0.3055, 0.3184

# 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.



62.7906, 0.3112, 0.3198



62.7906, 0.3198, 0.3394



62.7906, 0.3020, 0.3204

# Square

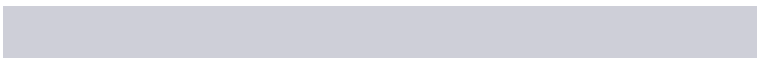
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.7906, 0.3198, 0.3394



62.7906, 0.3035, 0.3297



62.7906, 0.3056, 0.3188



62.7906, 0.3221, 0.3282



# Rectangle

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



62.7906, 0.3198, 0.3394



62.7906, 0.3101, 0.3363



62.7906, 0.3056, 0.3188



62.7906, 0.3153, 0.3219

# Sweetspot

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



62.7933, 0.3198, 0.3394



99.6713, 0.3142, 0.3312



58.5958, 0.3197, 0.3277



21.3372, 0.3141, 0.3311



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

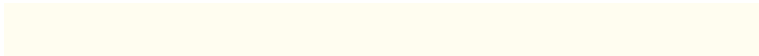


# Same Dimension

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



62.7933, 0.3198, 0.3394



98.0636, 0.3217, 0.3423



62.7389, 0.3168, 0.3407



13.7049, 0.3225, 0.3434



30.5444, 0.4382, 0.4902

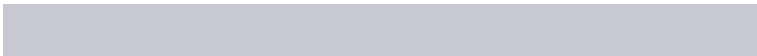


1.7685, 0.4343, 0.4933



# Inverse Universe

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



58.0787, 0.3055, 0.3184



88.7560, 0.3035, 0.3154



58.1396, 0.3085, 0.3173



12.2958, 0.3027, 0.3142



3.2434, 0.1521, 0.0676

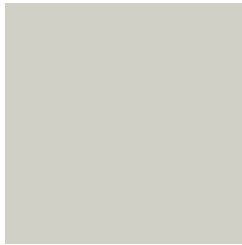


0.2489, 0.1581, 0.0890



# Previews

## White Background



This preview shows how the Yxy color 62.7906, 0.3198, 0.3394 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

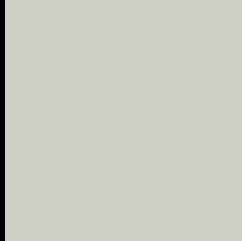
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.7906, 0.3198, 0.3394 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

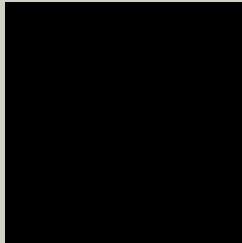
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

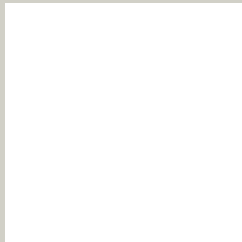
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.7906, 0.3198, 0.3394**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.7906, 0.3198, 0.3394.

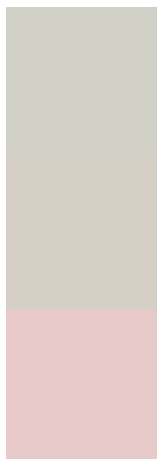


This preview shows how white text looks on a background with the Yxy color 62.7906, 0.3198, 0.3394.

# 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

62.7906, 0.3198, 0.3394

### Protanopia

62.8490, 0.3237, 0.3394

### Deuteranopia

62.7664, 0.3364, 0.3302



## Tritanopia

62.8801, 0.3068, 0.3110

# Trichromacy



## Original Color

62.7906, 0.3198, 0.3394

## Protanomaly

62.6999, 0.3229, 0.3394

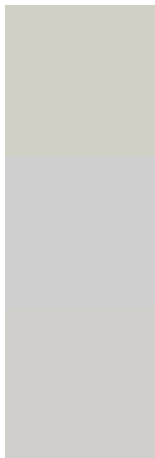
## Deuteranomaly

62.8855, 0.3296, 0.3335

## Tritanomaly

62.7956, 0.3116, 0.3210

# Monochromacy



## Original Color

62.7906, 0.3198, 0.3394

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

62.3952, 0.3156, 0.3325

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.7906, 0.3198, 0.3394 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(209, 208, 199)` looks like.

```
.text, #text, p{  
    color:rgb(209, 208, 199)  
}
```

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(209, 208, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 208, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 62.7906, 0.3198, 0.3394 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(209, 208, 199) }
```

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

```
.border{ border-color:rgb(209, 208, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 208, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 208, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 208, 199);  
box-shadow:4px 4px 4px 4px rgb(209, 208,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.7906, 0.3198, 0.3394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 208, 199) }
```

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

```
.background{ background-color: rgb(209,  
208, 199) }
```

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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