

# Converting Colors

$Y_{xy}(31.8059, 0.3912, 0.3190)$

Have a look what the booklet for  
Yxy(31.8059, 0.3912, 0.3190)  
contains.

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# Color

**Yxy(31.8059, 0.3912, 0.3190)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0848C
RGB	208, 132, 140
RGB Percent	82%, 52%, 55%
CMY	0.1842, 0.4824, 0.4510
CMYK	0.00, 0.37, 0.33, 0.18
HSL	354°, 45%, 67%
HSV	354°, 37%, 82%
XYZ	39.0046, 31.8059, 28.8945
YIQ	155.6360, 42.7280, 18.6000

# Conversions

## Conversions Part 2

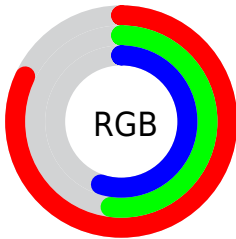
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	208, 132, 140
Decimal	13665420
CIE Lab	63.18, 30.26, 8.00
CIE LCh	63, 31.297, 14.806
Yxy	31.8059, 0.3912, 0.3190
Android (android.graphics.Color)	4291855500 (0xFFD0848C)
YUV	155.6360, -7.7085, 45.9232
Hunter-Lab	56.3967, 24.7583, 9.1008

# Details

The Yxy color **31.8059, 0.3912, 0.3190** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **54.2043, 0.2663, 0.3397**, and the grayscale version is **33.0966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2281, 0.3657, 0.3219**, and **13.2984, 0.4189, 0.3141** is the 20% darker color. If you saturate the color by 10%, you get **26.2140, 0.4250, 0.3165**, and if you desaturate by 10%, it is **38.6187, 0.3634, 0.3218**.

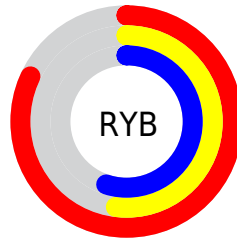
# Distribution



Red (82%)

Green (52%)

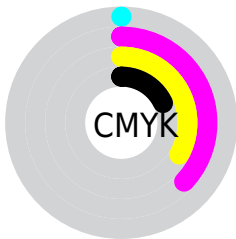
Blue (55%)



Red (82%)

Yellow (52%)

Blue (55%)

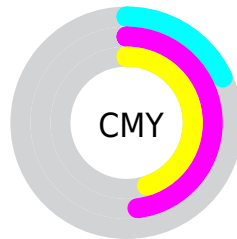


Cyan (0%)

Magenta (37%)

Yellow (33%)

Black (18%)



Cyan (18%)

Magenta (48%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 31.8059, 0.3912, 0.3190 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 31.8059, 0.3912, 0.3190 by changing the saturation by 10% instead.





 31.8059, 0.3912,  
0.3190


 31.8059, 0.3912,  
0.3190


310.2341, 0.3491,  
0.3252

 21.2133, 0.4027,  
0.3170


 62.5067, 0.3752,  
0.3215

 13.2800, 0.4180,  
0.3142


 83.3836, 0.3694,  
0.3224

 7.6216, 0.4395,  
0.3099


 108.4575, 0.3646,  
0.3231

 3.8538, 0.4716,  
0.3026

138.1126, 0.3606,  
0.3237

 1.5921, 0.5241,  
0.2888

172.7335, 0.3571,  
0.3241

 0.3523, 0.7567,  
0.2433

212.7044, 0.3541,


 0.0000, 1.0000,


0.3245


0.0000


258.4098, 0.3514,  
0.3249

 0.0000, 0.0000,  
0.0000


 31.8059, 0.3912,  
0.3190


 31.8059, 0.3912,  
0.3190


 26.2140, 0.4250,  
0.3165


 38.6187, 0.3634,  
0.3218


 21.7664, 0.4646,  
0.3146


 46.7136, 0.3408,  
0.3246


 18.3852, 0.5086,  
0.3139


 56.1537, 0.3226,  
0.3273


 15.9808, 0.5533,  
0.3149


 66.9961, 0.3080,  
0.3298


 14.4488, 0.5929,  
0.3179

 79.2948, 0.2963,  
0.3321

 13.6560, 0.6215,  
0.3225

 91.9422, 0.2867,  
0.3324

 13.4726, 0.6288,  
0.3237

 92.1549, 0.2849,  
0.3289

# Harmonies

## Analogous

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



31.8059, 0.3479, 0.2839



31.8059, 0.3912, 0.3190



31.8059, 0.4116, 0.3584

# Triad

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



31.8059, 0.3912, 0.3190



31.8059, 0.3218, 0.4137



31.8059, 0.2285, 0.2586

# Complementary

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



31.8059, 0.3912, 0.3190



54.2043, 0.2663, 0.3397

# 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.



31.8059, 0.2230, 0.2871



31.8059, 0.3912, 0.3190



31.8059, 0.2743, 0.3811

# Square

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



31.8059, 0.3912, 0.3190



31.8059, 0.3690, 0.4169



31.8059, 0.2389, 0.3321



31.8059, 0.2545, 0.2498



# Rectangle

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



31.8059, 0.3912, 0.3190



31.8059, 0.4088, 0.3834



31.8059, 0.2389, 0.3321



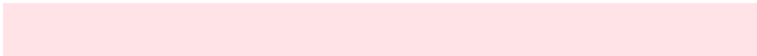
31.8059, 0.2243, 0.2659

# Sweetspot

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



31.8074, 0.3912, 0.3190



81.8787, 0.3304, 0.3261



33.2192, 0.3082, 0.2368



17.0879, 0.3329, 0.3257



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.



31.8074, 0.3912, 0.3190



43.1989, 0.4176, 0.3169



40.6188, 0.3871, 0.3660



11.8282, 0.3274, 0.3266



8.4006, 0.6266, 0.3226



0.4767, 0.5912, 0.3030



# Inverse Universe

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



31.8074, 0.3912, 0.3190



43.1989, 0.4176, 0.3169



41.6537, 0.2562, 0.2884



11.8282, 0.3274, 0.3266



8.4006, 0.6266, 0.3226



0.4767, 0.5912, 0.3030



# Previews

## White Background



This preview shows how the Yxy color 31.8059, 0.3912, 0.3190 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

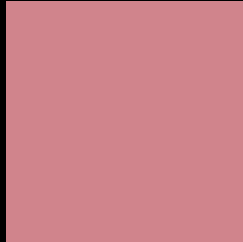
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 31.8059, 0.3912, 0.3190 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

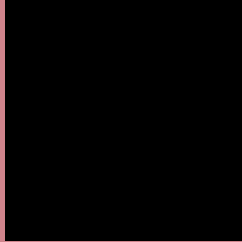
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 31.8059, 0.3912, 0.3190**

## **Background**



This preview shows how black text looks on a background with the Yxy color 31.8059, 0.3912, 0.3190.



This preview shows how white text looks on a background with the Yxy color 31.8059, 0.3912, 0.3190.

# 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

31.8059, 0.3912, 0.3190

### Protanopia

32.0848, 0.3176, 0.3321

### Deuteranopia

31.9846, 0.3514, 0.3451



## Tritanopia

31.8654, 0.3888, 0.3165

# Trichromacy



**Original Color**

31.8059, 0.3912, 0.3190

**Protanomaly**

31.4713, 0.3428, 0.3262

**Deuteranomaly**

31.6201, 0.3653, 0.3347

**Tritanomaly**

31.8355, 0.3900, 0.3177

# Monochromacy



**Original Color**

31.8059, 0.3912, 0.3190

**Achromatopsia**

33.2452, 0.3127, 0.3290

**Achromatomaly**

32.1834, 0.3392, 0.3248

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 31.8059, 0.3912, 0.3190 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, 132, 140)` looks like.

```
.text, #text, p{  
    color:rgb(208, 132, 140)  
}
```

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, 132, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 132, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 31.8059, 0.3912, 0.3190 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, 132, 140) }
```

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

```
.border{ border-color:rgb(208, 132, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 132, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 132, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 132, 140);  
box-shadow:4px 4px 4px 4px rgb(208, 132,  
140) }
```



# Background

The CSS property to change the background color of an element to Yxy 31.8059, 0.3912, 0.3190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 132, 140) }
```

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

```
.background{ background-color: rgb(208,  
132, 140) }
```

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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