

# Converting Colors

$Y_{xy}(50.7379, 0.3150, 0.3151)$

Have a look what the booklet for  
Yxy(50.7379, 0.3150, 0.3151)  
contains.

<b>Yxy(50.6892, 0.3150, 0.3156)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(50.6892, 0.3150, 0.3156)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6B9C4
RGB	198, 185, 196
RGB Percent	78%, 73%, 77%
CMY	0.2237, 0.2744, 0.2314
CMYK	0.00, 0.07, 0.01, 0.22
HSL	309°, 10%, 75%
HSV	309°, 7%, 78%
XYZ	50.5928, 50.6892, 59.3301
YIQ	190.1410, 4.2170, 6.1770

# Conversions

## Conversions Part 2

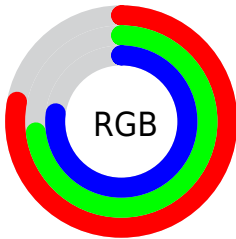
Format	Color
R <sub>Y</sub> B	198, 185, 196
Decimal	13023684
CIE Lab	76.49, 6.55, -3.89
CIE LCh	76, 7.619, 329.299
Yxy	50.6892, 0.3150, 0.3156
Android (android.graphics.Color)	4291213764 (0xFFC6B9C4)
YUV	190.1410, 2.8885, 6.8923
Hunter-Lab	71.1963, 2.2503, 0.4292

# Details

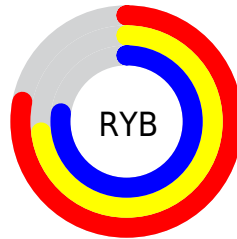
The Yxy color **50.6892, 0.3150, 0.3156** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **54.2774, 0.3105, 0.3428**, and the grayscale version is **51.5576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2624, 0.3146, 0.3175**, and **24.3848, 0.3158, 0.3125** is the 20% darker color. If you saturate the color by 10%, you get **42.8393, 0.3189, 0.2945**, and if you desaturate by 10%, it is **59.6996, 0.3116, 0.3359**.

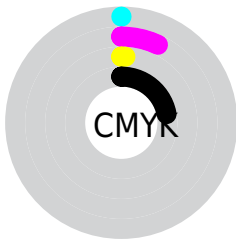
# Distribution



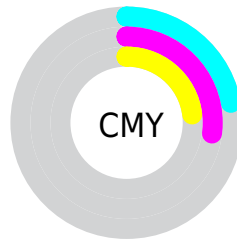
- Red (78%)
- Green (73%)
- Blue (77%)



- Red (78%)
- Yellow (73%)
- Blue (77%)



- Cyan (0%)
- Magenta (7%)
- Yellow (1%)
- Black (22%)




- Cyan (22%)
- Magenta (27%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.6892, 0.3150, 0.3156 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 50.6892, 0.3150, 0.3156 by changing the saturation by 10% instead.





 50.6892, 0.3150,  
0.3156

 50.6892, 0.3150,  
0.3156


389.3551, 0.3139,  
0.3222

 35.9613, 0.3153,  
0.3140


 91.1952, 0.3146,  
0.3179

 24.4043, 0.3156,  
0.3120


117.7421, 0.3145,  
0.3188

 15.6338, 0.3160,  
0.3093


148.9975, 0.3143,  
0.3196

 9.2654, 0.3166,  
0.3057

185.3457, 0.3142,  
0.3202

 4.9147, 0.3174,  
0.3005

227.1712, 0.3141,  
0.3208

 2.1973, 0.3186,  
0.2922

274.8583, 0.3141,

 0.7185, 0.3219,

0.3213

0.2744

328.7915, 0.3140,  
0.3218

0.0000, 0.0000,  
0.0000

50.6892, 0.3150,  
0.3156

50.6892, 0.3150,  
0.3156

42.8393, 0.3189,  
0.2945

59.6996, 0.3116,  
0.3359

36.0959, 0.3233,  
0.2730

69.9085, 0.3087,  
0.3551

30.4106, 0.3283,  
0.2518

81.3604, 0.3061,  
0.3730

25.7286, 0.3336,  
0.2317

88.0812, 0.3042,  
0.3804

21.9906, 0.3393,  
0.2136

88.2322, 0.3025,  
0.3769

■ 19.1307, 0.3452,  
0.1986

■ 88.3860, 0.3009,  
0.3735

■ 17.0747, 0.3511,  
0.1874

■ 88.5427, 0.2992,  
0.3701

■ 15.7360, 0.3569,  
0.1807

■ 88.7024, 0.2976,  
0.3667

■ 15.0019, 0.3623,  
0.1783

■ 88.8649, 0.2960,  
0.3633

# Harmonies

## Analogous

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



50.6892, 0.3047, 0.3117



50.6892, 0.3150, 0.3156



50.6892, 0.3249, 0.3229

# Triad

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



50.6892, 0.3150, 0.3156



50.6892, 0.3290, 0.3459



50.6892, 0.2943, 0.3257

# Complementary

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



50.6892, 0.3150, 0.3156



54.2774, 0.3105, 0.3428

# 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.



50.6892, 0.3006, 0.3351



50.6892, 0.3150, 0.3156



50.6892, 0.3206, 0.3469

# Square

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



50.6892, 0.3150, 0.3156



50.6892, 0.3330, 0.3403



50.6892, 0.3102, 0.3430



50.6892, 0.2928, 0.3173



# Rectangle

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



50.6892, 0.3150, 0.3156



50.6892, 0.3298, 0.3289



50.6892, 0.3102, 0.3430



50.6892, 0.2959, 0.3288

# Sweetspot

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



50.6914, 0.3150, 0.3156



96.7388, 0.3134, 0.3249



49.3410, 0.3044, 0.3127



20.7402, 0.3134, 0.3251



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.



50.6914, 0.3150, 0.3156



87.4681, 0.3156, 0.3123



50.4048, 0.3201, 0.3234



10.7876, 0.3161, 0.3097



9.6479, 0.3635, 0.1776



0.4646, 0.3532, 0.1720



# Inverse Universe

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



50.6914, 0.3150, 0.3156



87.4681, 0.3156, 0.3123



54.5590, 0.3059, 0.3346



10.7876, 0.3161, 0.3097



9.6479, 0.3635, 0.1776

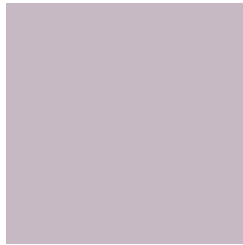


0.4646, 0.3532, 0.1720



# Previews

## White Background



This preview shows how the Yxy color 50.6892, 0.3150, 0.3156 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

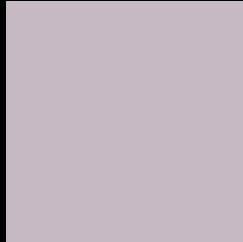
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.6892, 0.3150, 0.3156 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

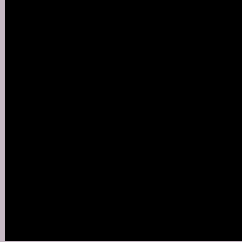
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

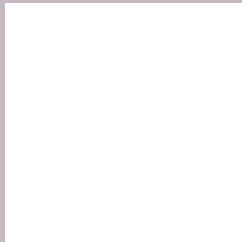
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 50.6892, 0.3150, 0.3156**

## Background



This preview shows how black text looks on a background with the Yxy color 50.6892, 0.3150, 0.3156.



This preview shows how white text looks on a background with the Yxy color 50.6892, 0.3150, 0.3156.

# 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

50.6892, 0.3150, 0.3156

### Protanopia

50.9908, 0.3068, 0.3166

### Deuteranopia

50.6899, 0.3202, 0.3133



## Tritanopia

50.8272, 0.3127, 0.3120

# Trichromacy



## Original Color

50.6892, 0.3150, 0.3156

## Protanomaly

50.9093, 0.3100, 0.3167

## Deuteranomaly

50.8231, 0.3184, 0.3145

## Tritanomaly

50.7809, 0.3135, 0.3132

# Monochromacy



## Original Color

50.6892, 0.3150, 0.3156

## Achromatopsia

51.4918, 0.3127, 0.3290

## Achromatomaly

51.1097, 0.3138, 0.3240

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.6892, 0.3150, 0.3156 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(198, 185, 196)` looks like.

```
.text, #text, p{  
    color:rgb(198, 185, 196)  
}
```

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(198, 185, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 185, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 50.6892, 0.3150, 0.3156 is called "border". The border property can be set on classes, ids or directly on the HTML element.

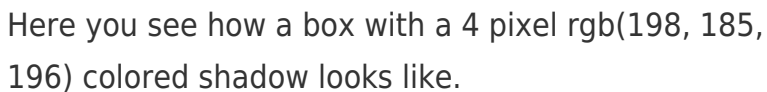
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 185, 196) }
```

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

```
.border{ border-color:rgb(198, 185, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 185, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 185, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 185, 196);  
box-shadow:4px 4px 4px 4px rgb(198, 185,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.6892, 0.3150, 0.3156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 185, 196) }
```

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

```
.background{ background-color: rgb(198,  
185, 196) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor