

# Converting Colors

Yxy(56.9296, 0.3173, 0.3314)

Have a look what the booklet for  
Yxy(56.9296, 0.3173, 0.3314)  
contains.

<b>Yxy(56.9302, 0.3173, 0.3314)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(56.9302, 0.3173, 0.3314)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CAC6C4
RGB	202, 198, 196
RGB Percent	79%, 78%, 77%
CMY	0.2080, 0.2235, 0.2313
CMYK	0.00, 0.02, 0.03, 0.21
HSL	20°, 5%, 78%
HSV	20°, 3%, 79%
XYZ	54.5080, 56.9302, 60.3488
YIQ	198.9680, 3.0260, 0.2260

# Conversions

## Conversions Part 2

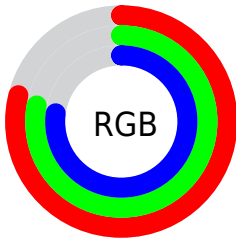
Format	Color
R <sub>Y</sub> B	202, 199, 196
Decimal	13289156
CIE Lab	80.14, 1.01, 1.47
CIE LCh	80, 1.788, 55.510
Yxy	56.9302, 0.3173, 0.3314
Android (android.graphics.Color)	4291479236 (0xFFCAC6C4)
YUV	198.9680, -1.4632, 2.6591
Hunter-Lab	75.4521, -3.0895, 5.3946

# Details

The Yxy color **56.9302, 0.3173, 0.3314** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.2901, 0.3082, 0.3266**, and the grayscale version is **57.0990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8718, 0.3139, 0.3309**, and **28.1954, 0.3189, 0.3322** is the 20% darker color. If you saturate the color by 10%, you get **50.2159, 0.3346, 0.3399**, and if you desaturate by 10%, it is **64.3152, 0.3026, 0.3235**.

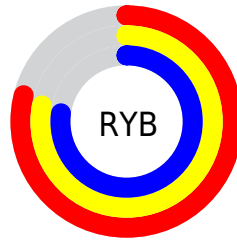
# Distribution



Red (79%)

Green (78%)

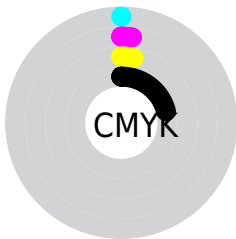
Blue (77%)



Red (79%)

Yellow (78%)

Blue (77%)

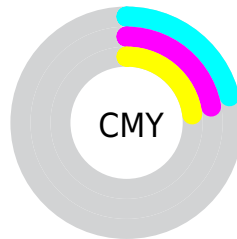


Cyan (0%)

Magenta (2%)

Yellow (3%)

Black (21%)



Cyan (21%)

Magenta (22%)

Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.9302, 0.3173, 0.3314 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 56.9302, 0.3173, 0.3314 by changing the saturation by 10% instead.



■ 56.9302, 0.3173,  
0.3314

■ 56.9302, 0.3173,  
0.3314

413.1877, 0.3151,  
0.3303

■ 40.9492, 0.3178,  
0.3317

100.3633, 0.3165,  
0.3310

■ 28.2794, 0.3185,  
0.3320

128.5843, 0.3162,  
0.3308

■ 18.5364, 0.3194,  
0.3325

161.6540, 0.3160,  
0.3307

■ 11.3358, 0.3206,  
0.3331

199.9568, 0.3157,  
0.3306

■ 6.2931, 0.3223,  
0.3339

243.8772, 0.3155,  
0.3305

■ 3.0241, 0.3249,  
0.3353

293.7996, 0.3154,

■ 1.1443, 0.3296,

0.3304

350.1083, 0.3152,  
0.3303

0.3376

0.0155, 0.7176,  
0.2824

0.0000, 0.0000,  
0.0000

56.9302, 0.3173,  
0.3314

56.9302, 0.3173,  
0.3314

50.2159, 0.3346,  
0.3399

64.3152, 0.3026,  
0.3235

44.1461, 0.3551,  
0.3490

72.3816, 0.2901,  
0.3162

38.7034, 0.3790,  
0.3582

81.0456, 0.2804,  
0.3111

33.8670, 0.4066,  
0.3673

89.1505, 0.2813,  
0.3254

■ 29.6149, 0.4378,  
0.3755

■ 91.2910, 0.2816,  
0.3289

■ 25.9236, 0.4719,  
0.3817

■ 22.7677, 0.5072,  
0.3849

■ 20.1200, 0.5411,  
0.3838

■ 17.9497, 0.5705,  
0.3777

# Harmonies

## Analogous

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



56.9302, 0.3168, 0.3295



56.9302, 0.3173, 0.3314



56.9302, 0.3166, 0.3327

# Triad

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



56.9302, 0.3173, 0.3314



56.9302, 0.3102, 0.3307



56.9302, 0.3106, 0.3250

# Complementary

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



56.9302, 0.3173, 0.3314



57.2901, 0.3082, 0.3266

# 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.



56.9302, 0.3089, 0.3253



56.9302, 0.3173, 0.3314



56.9302, 0.3087, 0.3286

# Square

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



56.9302, 0.3173, 0.3314



56.9302, 0.3125, 0.3323



56.9302, 0.3082, 0.3266



56.9302, 0.3130, 0.3258



# Rectangle

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



56.9302, 0.3173, 0.3314



56.9302, 0.3155, 0.3331



56.9302, 0.3082, 0.3266



56.9302, 0.3100, 0.3250

# Sweetspot

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



56.9327, 0.3173, 0.3314



98.7621, 0.3143, 0.3298



56.2070, 0.3145, 0.3243



21.1522, 0.3142, 0.3298



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.



56.9327, 0.3173, 0.3314



95.1182, 0.3191, 0.3323



58.2962, 0.3171, 0.3349



12.5371, 0.3201, 0.3329



10.8867, 0.5855, 0.3733



0.7014, 0.5472, 0.4037



# Inverse Universe

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



57.2901, 0.3082, 0.3266



95.9461, 0.3065, 0.3257



55.9356, 0.3083, 0.3230



12.6641, 0.3055, 0.3251



13.8902, 0.1933, 0.2160

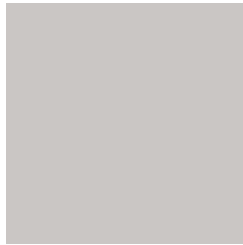


0.8531, 0.2002, 0.2407



# Previews

## White Background



This preview shows how the Yxy color 56.9302, 0.3173, 0.3314 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 56.9302, 0.3173, 0.3314 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

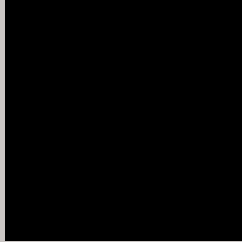
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

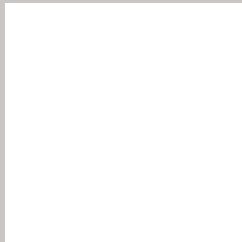
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.9302, 0.3173, 0.3314**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.9302, 0.3173, 0.3314.

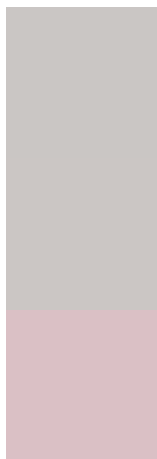


This preview shows how white text looks on a background with the Yxy color 56.9302, 0.3173, 0.3314.

# 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

56.9302, 0.3173, 0.3314

### Protanopia

57.0702, 0.3181, 0.3314

### Deuteranopia

56.6359, 0.3302, 0.3233



## Tritanopia

57.0204, 0.3081, 0.3114

# Trichromacy



## Original Color

56.9302, 0.3173, 0.3314

## Protanomaly

57.0702, 0.3181, 0.3314

## Deuteranomaly

56.6118, 0.3250, 0.3255

## Tritanomaly

57.0852, 0.3109, 0.3184

# Monochromacy



## Original Color

56.9302, 0.3173, 0.3314

## Achromatopsia

57.1125, 0.3127, 0.3290

## Achromatomaly

57.2034, 0.3142, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.9302, 0.3173, 0.3314 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(202, 198, 196)` looks like.

```
.text, #text, p{  
    color:rgb(202, 198, 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(202, 198, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 198, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 56.9302, 0.3173, 0.3314 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(202, 198, 196) }
```

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

```
.border{ border-color:rgb(202, 198, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 198, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(202, 198, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(202, 198, 196); box-shadow:4px 4px 4px 4px rgb(202, 198, 196) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.9302, 0.3173, 0.3314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 198, 196) }
```

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

```
.background{ background-color: rgb(202,  
198, 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](#).

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