

# Converting Colors

Yxy(57.0346, 0.2988, 0.3314)

Have a look what the booklet for  
Yxy(57.0346, 0.2988, 0.3314)  
contains.

<b>Yxy(56.9962, 0.2990, 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(56.9962, 0.2990, 0.3314)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7CBC9
RGB	183, 203, 201
RGB Percent	72%, 80%, 79%
CMY	0.2825, 0.2039, 0.2117
CMYK	0.10, 0.00, 0.01, 0.20
HSL	174°, 16%, 76%
HSV	174°, 10%, 80%
XYZ	51.4238, 56.9962, 63.5661
YIQ	196.7920, -11.2780, -4.8620

# Conversions

## Conversions Part 2

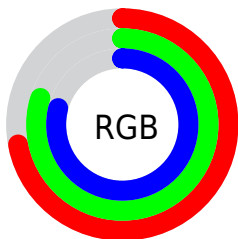
Format	Color
<a href="#">RYB</a>	<a href="#">183, 194, 203</a>
Decimal	<a href="#">12045257</a>
CIELab	<a href="#">80.18, -7.14, -1.33</a>
CIElCh	<a href="#">80, 7.258, 190.570</a>
Yxy	<a href="#">56.9962, 0.2990, 0.3314</a>
Android (android.graphics.Color)	<a href="#">4290235337 (0xFFB7CBC9)</a>
YUV	<a href="#">196.7920, 2.0745, -12.0956</a>
Hunter-Lab	<a href="#">75.4958, -10.5327, 2.9260</a>

# Details

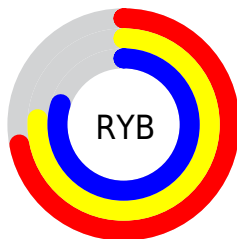
The Yxy color **56.9962, 0.2990, 0.3314** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.0530, 0.3283, 0.3266**, and the grayscale version is **55.6944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **28.3473, 0.2956, 0.3323** is the 20% darker color. If you saturate the color by 10%, you get **54.5928, 0.2858, 0.3341**, and if you desaturate by 10%, it is **59.7647, 0.3129, 0.3290**.

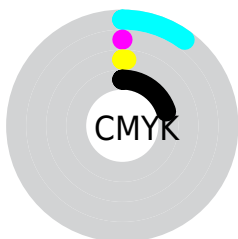
# Distribution



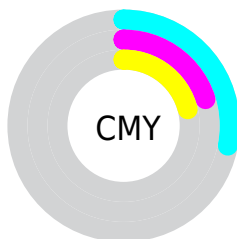
- Red (72%)
- Green (80%)
- Blue (79%)



- Red (72%)
- Yellow (76%)
- Blue (80%)



- Cyan (10%)
- Magenta (0%)
- Yellow (1%)
- Black (20%)



- Cyan (28%)
- Magenta (20%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.9962, 0.2990, 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 56.9962, 0.2990, 0.3314 by changing the saturation by 10% instead.



■ 56.9962, 0.2990,  
0.3314

■ 56.9962, 0.2990,  
0.3314

413.4351, 0.3056,  
0.3303

■ 41.0022, 0.2974,  
0.3317

■ 100.4596, 0.3014,  
0.3310

■ 28.3208, 0.2954,  
0.3320

128.6979, 0.3023,  
0.3309

■ 18.5676, 0.2928,  
0.3324

161.7863, 0.3030,  
0.3307

■ 11.3583, 0.2893,  
0.3330

200.1093, 0.3037,  
0.3306

■ 6.3084, 0.2843,  
0.3338

244.0513, 0.3043,  
0.3305

■ 3.0335, 0.2766,  
0.3349

293.9966, 0.3048,

■ 1.1492, 0.2631,

0.3304

350.3298, 0.3052,  
0.3303

0.3368

0.0196, 0.0000,  
0.1465

0.0000, 0.0000,  
0.0000

56.9962, 0.2990,  
0.3314

56.9962, 0.2990,  
0.3314

54.5928, 0.2858,  
0.3341

59.7647, 0.3129,  
0.3290

52.5319, 0.2736,  
0.3369


62.9055, 0.3272,  
0.3268

50.7995, 0.2627,  
0.3400


66.4344, 0.3417,  
0.3248

49.3780, 0.2533,  
0.3432

68.5830, 0.3490,  
0.3229

 48.2478, 0.2456,  
0.3465

 68.6831, 0.3474,  
0.3209


 47.3874, 0.2398,  
0.3499


 68.7845, 0.3459,  
0.3188

 46.7721, 0.2359,  
0.3533

 68.8871, 0.3443,  
0.3168

 46.3728, 0.2339,  
0.3567

 68.9910, 0.3428,  
0.3148

 46.1357, 0.2334,  
0.3600

 69.0962, 0.3413,  
0.3127

# Harmonies

## Analogous

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



56.9962, 0.3069, 0.3394



56.9962, 0.2990, 0.3314



56.9962, 0.2948, 0.3228

# Triad

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



56.9962, 0.2990, 0.3314



56.9962, 0.3088, 0.3140



56.9962, 0.3305, 0.3417

# Complementary

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



56.9962, 0.2990, 0.3314



50.0530, 0.3283, 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.



56.9962, 0.3310, 0.3347



56.9962, 0.2990, 0.3314



56.9962, 0.3184, 0.3189

# Square

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



56.9962, 0.2990, 0.3314



56.9962, 0.3003, 0.3130



56.9962, 0.3266, 0.3265



56.9962, 0.3251, 0.3454



# Rectangle

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



56.9962, 0.2990, 0.3314



56.9962, 0.2945, 0.3180



56.9962, 0.3266, 0.3265



56.9962, 0.3312, 0.3397

# Sweetspot

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



56.9986, 0.2990, 0.3314



98.5292, 0.3084, 0.3297



56.4453, 0.3131, 0.3541



21.0073, 0.3073, 0.3299



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.



56.9986, 0.2990, 0.3314



94.4579, 0.2959, 0.3320



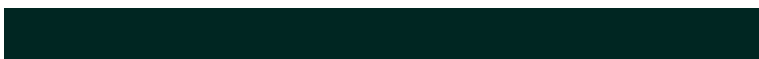
53.4033, 0.2976, 0.3190



12.7072, 0.2996, 0.3313



29.3631, 0.2332, 0.3596



1.5205, 0.2314, 0.3530



# Inverse Universe

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



50.0530, 0.3283, 0.3266



80.3562, 0.3324, 0.3260



53.3709, 0.3288, 0.3388



11.2314, 0.3275, 0.3267



8.1186, 0.6275, 0.3231



0.4251, 0.5918, 0.3034



# Previews

## White Background



This preview shows how the Yxy color 56.9962, 0.2990, 0.3314 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

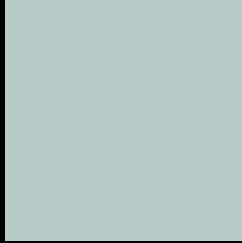
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.9962, 0.2990, 0.3314 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

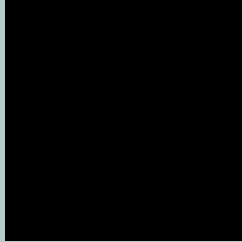
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

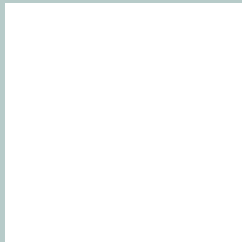
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.9962, 0.2990, 0.3314**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.9962, 0.2990, 0.3314.

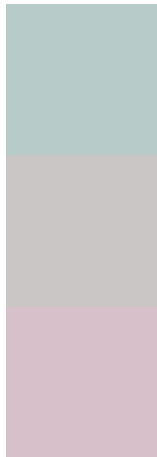


This preview shows how white text looks on a background with the Yxy color 56.9962, 0.2990, 0.3314.

# 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

56.9962, 0.2990, 0.3314

### Protanopia

57.0219, 0.3159, 0.3290

### Deuteranopia

56.6100, 0.3239, 0.3164



## Tritanopia

57.2221, 0.2905, 0.3097

# Trichromacy



## Original Color

56.9962, 0.2990, 0.3314

## Protanomaly

57.0342, 0.3096, 0.3302

## Deuteranomaly

56.5815, 0.3146, 0.3219

## Tritanomaly

57.2585, 0.2938, 0.3180

# Monochromacy



## Original Color

56.9962, 0.2990, 0.3314

## Achromatopsia

55.8340, 0.3127, 0.3290

## Achromatomaly

56.1305, 0.3080, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.9962, 0.2990, 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(183, 203, 201)` looks like.

```
.text, #text, p{  
    color:rgb(183, 203, 201)  
}
```

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(183, 203, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 203, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 56.9962, 0.2990, 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(183, 203, 201) }
```

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

```
.border{ border-color:rgb(183, 203, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 203, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 203, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 203, 201);  
box-shadow:4px 4px 4px 4px rgb(183, 203,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.9962, 0.2990, 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(183, 203, 201) }
```

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

```
.background{ background-color: rgb(183,  
203, 201) }
```

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