

# Converting Colors

Yxy(56.9959, 0.3017, 0.3310)

Have a look what the booklet for  
Yxy(56.9959, 0.3017, 0.3310)  
contains.

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# Color

**Yxy(56.8972, 0.3013, 0.3302)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BACAC9
RGB	186, 202, 201
RGB Percent	73%, 79%, 79%
CMY	0.2705, 0.2079, 0.2118
CMYK	0.08, 0.00, 0.00, 0.21
HSL	176°, 13%, 76%
HSV	176°, 8%, 79%
XYZ	51.9174, 56.8972, 63.4967
YIQ	197.1020, -9.2150, -3.7030

# Conversions

## Conversions Part 2

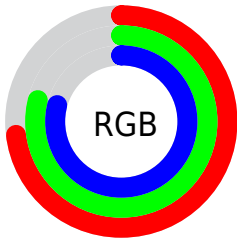
Format	Color
R <sub>Y</sub> B	186, 194, 202
Decimal	12241609
CIE Lab	80.12, -5.60, -1.37
CIE LCh	80, 5.760, 193.725
Yxy	56.8972, 0.3013, 0.3302
Android (android.graphics.Color)	4290431689 (0xFFBACAC9)
YUV	197.1020, 1.9217, -9.7365
Hunter-Lab	75.4302, -9.1443, 2.8912

# Details

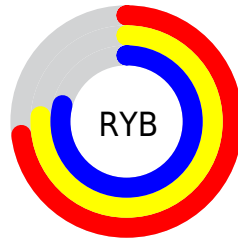
The Yxy color **56.8972, 0.3013, 0.3302** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.2776, 0.3254, 0.3278**, and the grayscale version is **55.8958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **28.2729, 0.2985, 0.3306** is the 20% darker color. If you saturate the color by 10%, you get **54.4856, 0.2875, 0.3319**, and if you desaturate by 10%, it is **59.6718, 0.3158, 0.3287**.

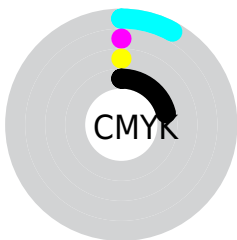
# Distribution



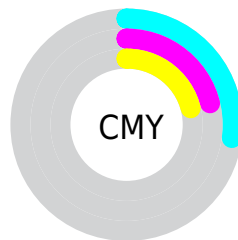
- Red (73%)
- Green (79%)
- Blue (79%)



- Red (73%)
- Yellow (76%)
- Blue (79%)



- Cyan (8%)
- Magenta (0%)
- Yellow (0%)
- Black (21%)




- Cyan (27%)
- Magenta (21%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.8972, 0.3013, 0.3302 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 56.8972, 0.3013, 0.3302 by changing the saturation by 10% instead.




 56.8972, 0.3013,  
0.3302

 56.8972, 0.3013,  
0.3302


413.0640, 0.3068,  
0.3296

 40.9227, 0.3000,  
0.3303


 100.3152, 0.3033,  
0.3300

 28.2587, 0.2983,  
0.3305

128.5274, 0.3040,  
0.3299

 18.5208, 0.2962,  
0.3307


161.5878, 0.3046,  
0.3299

 11.3245, 0.2932,  
0.3309

199.8805, 0.3052,  
0.3298

 6.2855, 0.2890,  
0.3313

243.7902, 0.3057,  
0.3298

 3.0195, 0.2826,  
0.3318

293.7010, 0.3061,

 1.1419, 0.2713,

0.3297

0.3326

349.9975, 0.3065,  
0.3297

0.0135, 0.0000,  
0.1089

0.0000, 0.0000,  
0.0000

56.8972, 0.3013,  
0.3302

56.8972, 0.3013,  
0.3302

54.4856, 0.2875,  
0.3319

59.6718, 0.3158,  
0.3287

52.4147, 0.2747,  
0.3336

62.8162, 0.3307,  
0.3273

50.6712, 0.2631,  
0.3355

66.3461, 0.3458,  
0.3261

49.2376, 0.2531,  
0.3375


67.9605, 0.3515,  
0.3249

 48.0953, 0.2448,  
0.3396


 68.0228, 0.3505,  
0.3236


 47.2232, 0.2384,  
0.3417


 68.0856, 0.3495,  
0.3223


 46.5979, 0.2339,  
0.3438

 68.1489, 0.3485,  
0.3210

 46.1915, 0.2313,  
0.3459

 68.2127, 0.3475,  
0.3197

 45.9634, 0.2303,  
0.3480

 68.2770, 0.3465,  
0.3184

# Harmonies

## Analogous

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



56.8972, 0.3074, 0.3367



56.8972, 0.3013, 0.3302



56.8972, 0.2983, 0.3235

# Triad

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



56.8972, 0.3013, 0.3302



56.8972, 0.3104, 0.3174



56.8972, 0.3265, 0.3396

# Complementary

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



56.8972, 0.3013, 0.3302



51.2776, 0.3254, 0.3278

# 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.



56.8972, 0.3274, 0.3343



56.8972, 0.3013, 0.3302



56.8972, 0.3180, 0.3215

# Square

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



56.8972, 0.3013, 0.3302



56.8972, 0.3035, 0.3162



56.8972, 0.3243, 0.3277



56.8972, 0.3219, 0.3421



# Rectangle

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



56.8972, 0.3013, 0.3302



56.8972, 0.2984, 0.3198



56.8972, 0.3243, 0.3277



56.8972, 0.3273, 0.3380

# Sweetspot

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



56.8996, 0.3013, 0.3302



99.0248, 0.3098, 0.3293



56.3635, 0.3126, 0.3489



21.2056, 0.3099, 0.3293



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

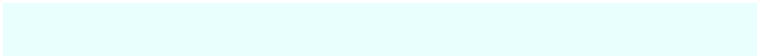


# Same Dimension

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



56.8996, 0.3013, 0.3302



95.8112, 0.2996, 0.3304



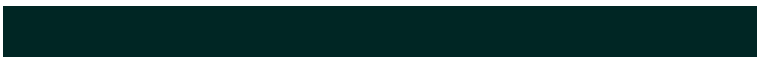
53.7733, 0.3006, 0.3204



12.7143, 0.2992, 0.3304



29.5577, 0.2300, 0.3481



1.5286, 0.2289, 0.3441

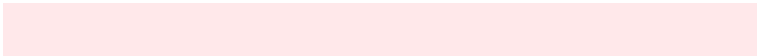


# Inverse Universe

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



51.2776, 0.3254, 0.3278



84.9131, 0.3275, 0.3276



54.2210, 0.3254, 0.3374



11.2250, 0.3280, 0.3276



8.1029, 0.6325, 0.3258



0.4221, 0.6081, 0.3123



# Previews

## White Background



This preview shows how the Yxy color 56.8972, 0.3013, 0.3302 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

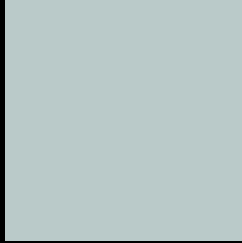
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.8972, 0.3013, 0.3302 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

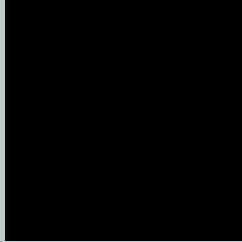
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

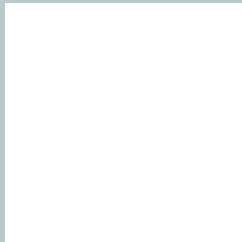
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.8972, 0.3013, 0.3302**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.8972, 0.3013, 0.3302.



This preview shows how white text looks on a background with the Yxy color 56.8972, 0.3013, 0.3302.

# 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

56.8972, 0.3013, 0.3302

### Protanopia

56.5663, 0.3159, 0.3278

### Deuteranopia

56.6100, 0.3239, 0.3164



## Tritanopia

57.0852, 0.2933, 0.3098

# Trichromacy



## Original Color

56.8972, 0.3013, 0.3302

## Protanomaly

56.7061, 0.3104, 0.3290

## Deuteranomaly

56.7233, 0.3154, 0.3219

## Tritanomaly

57.1678, 0.2959, 0.3169

# Monochromacy



## Original Color

56.8972, 0.3013, 0.3302

## Achromatopsia

55.8340, 0.3127, 0.3290

## Achromatomaly

56.2615, 0.3088, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.8972, 0.3013, 0.3302 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(186, 202, 201)` looks like.

```
.text, #text, p{  
    color:rgb(186, 202, 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(186, 202, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 202, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 56.8972, 0.3013, 0.3302 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(186, 202, 201) }
```

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

```
.border{ border-color:rgb(186, 202, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 202, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 202, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 202, 201);  
box-shadow:4px 4px 4px 4px rgb(186, 202,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.8972, 0.3013, 0.3302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 202, 201) }
```

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

```
.background{ background-color: rgb(186,  
202, 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](#).

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