

# Converting Colors

$Yxy(57.5419, 0.2974, 0.3237)$

Have a look what the booklet for  
Yxy(57.5419, 0.2974, 0.3237)  
contains.

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# Color

**Yxy(57.6560, 0.2972, 0.3241)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BACBCF
RGB	186, 203, 207
RGB Percent	73%, 80%, 81%
CMY	0.2705, 0.2039, 0.1883
CMYK	0.10, 0.02, 0.00, 0.19
HSL	191°, 18%, 77%
HSV	191°, 10%, 81%
XYZ	52.8706, 57.6560, 67.3691
YIQ	198.3730, -11.4160, -2.3600

# Conversions

## Conversions Part 2

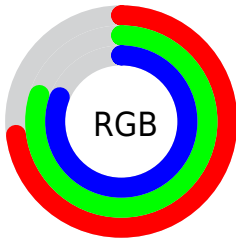
Format	Color
R <sub>Y</sub> B	186, 195, 207
Decimal	12241871
CIE Lab	80.55, -4.94, -3.96
CIE LCh	81, 6.336, 218.721
Yxy	57.6560, 0.2972, 0.3241
Android (android.graphics.Color)	4290431951 (0xFFBACBCF)
YUV	198.3730, 4.2531, -10.8511
Hunter-Lab	75.9315, -8.5919, 0.5479

# Details

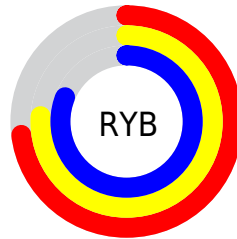
The Yxy color **57.6560, 0.2972, 0.3241** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **53.6431, 0.3299, 0.3339**, and the grayscale version is **56.6923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **28.7813, 0.2932, 0.3224** is the 20% darker color. If you saturate the color by 10%, you get **53.4126, 0.2822, 0.3188**, and if you desaturate by 10%, it is **62.3271, 0.3125, 0.3289**.

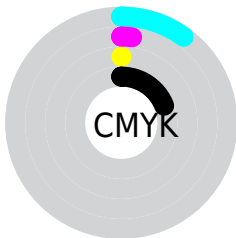
# Distribution



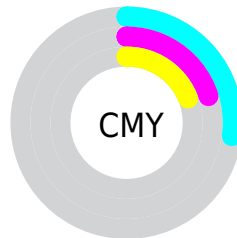
- Red (73%)
- Green (80%)
- Blue (81%)



- Red (73%)
- Yellow (76%)
- Blue (81%)



- Cyan (10%)
- Magenta (2%)
- Yellow (0%)
- Black (19%)



- Cyan (27%)
- Magenta (20%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.6560, 0.2972, 0.3241 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 57.6560, 0.2972, 0.3241 by changing the saturation by 10% instead.



■ 57.6560, 0.2972,  
0.3241

■ 57.6560, 0.2972,  
0.3241

415.9029, 0.3047,  
0.3265

■ 41.5322, 0.2954,  
0.3235

■ 101.4217, 0.2998,  
0.3250

■ 28.7351, 0.2932,  
0.3228

129.8324, 0.3009,  
0.3253

■ 18.8805, 0.2903,  
0.3218

163.1075, 0.3017,  
0.3256

■ 11.5840, 0.2864,  
0.3204

201.6314, 0.3025,  
0.3258

■ 6.4611, 0.2809,  
0.3185

245.7885, 0.3031,  
0.3260

■ 3.1274, 0.2724,  
0.3153

295.9632, 0.3037,

■ 1.1986, 0.2578,

0.3262

0.3097

352.5399, 0.3042,  
0.3264

0.0606, 0.0000,  
0.1501

0.0000, 0.0000,  
0.0000

57.6560, 0.2972,  
0.3241

57.6560, 0.2972,  
0.3241

53.4126, 0.2822,  
0.3188

62.3271, 0.3125,  
0.3289

49.5733, 0.2679,  
0.3131

67.4341, 0.3279,  
0.3333

46.1228, 0.2544,  
0.3069

72.9941, 0.3431,  
0.3372

43.0422, 0.2422,  
0.3005

76.3055, 0.3476,  
0.3411

■ 40.3107, 0.2316,  
0.2938

■ 78.3835, 0.3469,  
0.3450

■ 37.9052, 0.2227,  
0.2869

■ 80.5105, 0.3462,  
0.3489

■ 35.7993, 0.2158,  
0.2800

■ 82.6868, 0.3454,  
0.3528

■ 33.9620, 0.2107,  
0.2731

■ 84.9128, 0.3447,  
0.3567

■ 32.3560, 0.2073,  
0.2663

■ 87.1888, 0.3440,  
0.3605

# Harmonies

## Analogous

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



57.6560, 0.3011, 0.3316



57.6560, 0.2972, 0.3241



57.6560, 0.2974, 0.3181

# Triad

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



57.6560, 0.2972, 0.3241



57.6560, 0.3172, 0.3199



57.6560, 0.3239, 0.3431

# Complementary

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



57.6560, 0.2972, 0.3241



53.6431, 0.3299, 0.3339

# 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.



57.6560, 0.3283, 0.3397



57.6560, 0.2972, 0.3241



57.6560, 0.3244, 0.3264

# Square

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



57.6560, 0.2972, 0.3241



57.6560, 0.3088, 0.3158



57.6560, 0.3285, 0.3336



57.6560, 0.3165, 0.3427

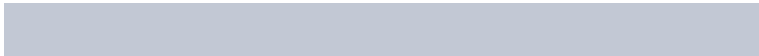


# Rectangle

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



57.6560, 0.2972, 0.3241



57.6560, 0.2998, 0.3157



57.6560, 0.3285, 0.3336



57.6560, 0.3258, 0.3424

# Sweetspot

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



57.6584, 0.2972, 0.3241



97.6520, 0.3080, 0.3276



58.7762, 0.3088, 0.3501



20.7696, 0.3068, 0.3272



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

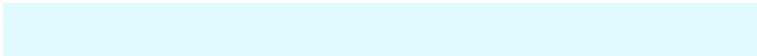


# Same Dimension

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



57.6584, 0.2972, 0.3241



90.9901, 0.2942, 0.3231



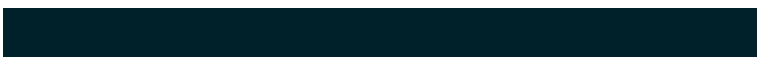
52.9366, 0.2971, 0.3113



13.0085, 0.2983, 0.3245



20.5187, 0.2076, 0.2673



1.2482, 0.2111, 0.2798



# Inverse Universe

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



52.7023, 0.3170, 0.3089



81.6370, 0.3179, 0.3048



58.2825, 0.3285, 0.3461



11.9688, 0.3166, 0.3104



10.1426, 0.3754, 0.1842

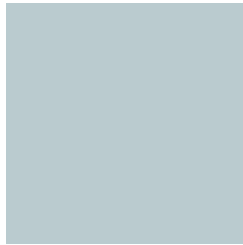


0.5773, 0.3636, 0.1777



# Previews

## White Background



This preview shows how the Yxy color 57.6560, 0.2972, 0.3241 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

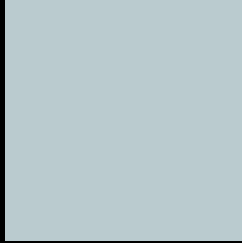
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.6560, 0.2972, 0.3241 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

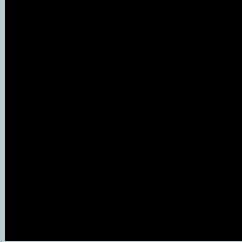
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

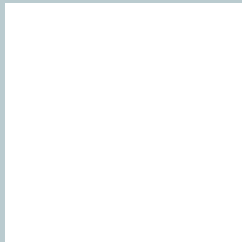
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.6560, 0.2972, 0.3241**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.6560, 0.2972, 0.3241.

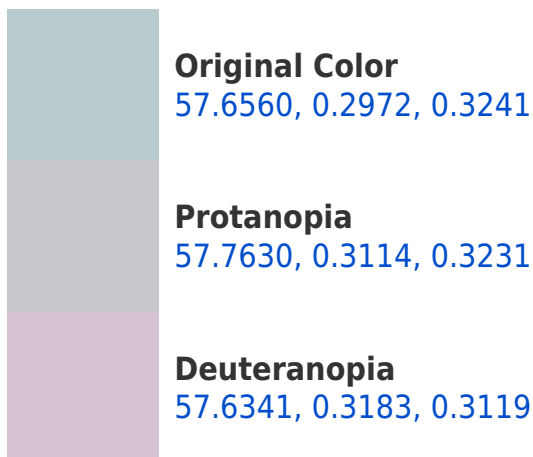


This preview shows how white text looks on a background with the Yxy color 57.6560, 0.2972, 0.3241.

# 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





## Tritanopia

57.4744, 0.2919, 0.3098

# Trichromacy



## Original Color

57.6560, 0.2972, 0.3241

## Protanomaly

57.4521, 0.3061, 0.3230

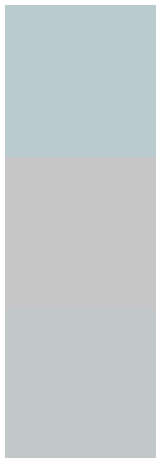
## Deuteranomaly

57.3239, 0.3102, 0.3161

## Tritanomaly

57.6100, 0.2939, 0.3157

# Monochromacy



## Original Color

57.6560, 0.2972, 0.3241

## Achromatopsia

56.4712, 0.3127, 0.3290

## Achromatomaly

56.9949, 0.3074, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.6560, 0.2972, 0.3241 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, 203, 207)` looks like.

```
.text, #text, p{  
    color:rgb(186, 203, 207)  
}
```

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, 203, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 203, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 57.6560, 0.2972, 0.3241 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, 203, 207) }
```

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

```
.border{ border-color:rgb(186, 203, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 203, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 203, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 203, 207);  
box-shadow:4px 4px 4px 4px rgb(186, 203,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.6560, 0.2972, 0.3241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 203, 207) }
```

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

```
.background{ background-color: rgb(186,  
203, 207) }
```

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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