

# Converting Colors

$Y_{xy}(55.0424, 0.3039, 0.3300)$

Have a look what the booklet for  
Yxy(55.0424, 0.3039, 0.3300)  
contains.

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# Color

**Yxy(54.8585, 0.3041, 0.3302)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BAC6C5
RGB	186, 198, 197
RGB Percent	73%, 78%, 77%
CMY	0.2706, 0.2235, 0.2274
CMYK	0.06, 0.00, 0.01, 0.22
HSL	175°, 10%, 75%
HSV	175°, 6%, 78%
XYZ	50.5223, 54.8585, 60.7564
YIQ	194.2980, -6.8310, -2.8550

# Conversions

## Conversions Part 2

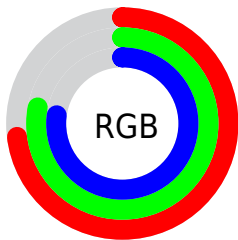
Format	Color
RYP	186, 192, 198
Decimal	12240581
CIELab	78.96, -4.28, -0.93
CIElCh	79, 4.381, 192.269
Yxy	54.8585, 0.3041, 0.3302
Android (android.graphics.Color)	4290430661 (0xFFBAC6C5)
YUV	194.2980, 1.3321, -7.2773
Hunter-Lab	74.0665, -7.8578, 3.2113

# Details

The Yxy color **54.8585, 0.3041, 0.3302** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.7108, 0.3220, 0.3278**, and the grayscale version is **54.1308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5530, 0.3053, 0.3300**, and **26.9162, 0.3022, 0.3306** is the 20% darker color. If you saturate the color by 10%, you get **52.4758, 0.2904, 0.3323**, and if you desaturate by 10%, it is **57.5903, 0.3184, 0.3283**.

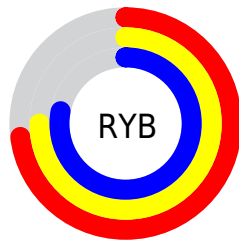
# Distribution



Red (73%)

Green (78%)

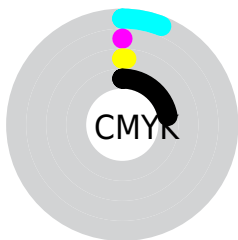
Blue (77%)



Red (73%)

Yellow (75%)

Blue (78%)

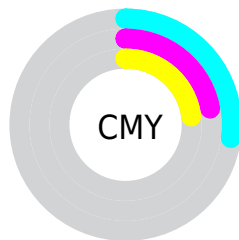


Cyan (6%)

Magenta (0%)

Yellow (1%)

Black (22%)



Cyan (27%)

Magenta (22%)

Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.8585, 0.3041, 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 54.8585, 0.3041, 0.3302 by changing the saturation by 10% instead.



■ 54.8585, 0.3041,  
0.3302

■ 54.8585, 0.3041,  
0.3302

405.3753, 0.3083,  
0.3296

■ 39.2884, 0.3031,  
0.3303

■ 97.3336, 0.3056,  
0.3300

■ 26.9842, 0.3018,  
0.3305

125.0074, 0.3062,  
0.3299

■ 17.5614, 0.3001,  
0.3307

157.4847, 0.3067,  
0.3299

■ 10.6355, 0.2979,  
0.3310

195.1497, 0.3071,  
0.3298

■ 5.8223, 0.2946,  
0.3314

238.3868, 0.3074,  
0.3298

■ 2.7373, 0.2894,  
0.3320

287.5806, 0.3078,

■ 0.9962, 0.2803,

0.3297

0.3331

343.1153, 0.3080,  
0.3297

0.0000, 0.0000,  
0.0000

54.8585, 0.3041,  
0.3302

54.8585, 0.3041,  
0.3302

52.4758, 0.2904,  
0.3323

57.5903, 0.3184,  
0.3283

50.4212, 0.2776,  
0.3347

60.6775, 0.3330,  
0.3265

48.6819, 0.2660,  
0.3371


64.1348, 0.3478,  
0.3250

47.2419, 0.2559,  
0.3397


65.9882, 0.3542,  
0.3234

46.0834, 0.2474,  
0.3424


66.0669, 0.3529,  
0.3217

 45.1871, 0.2408,  
0.3452


 66.1463, 0.3516,  
0.3200


 44.5309, 0.2360,  
0.3480

 66.2266, 0.3503,  
0.3184

 44.0894, 0.2332,  
0.3508

 66.3077, 0.3491,  
0.3167

 43.8304, 0.2321,  
0.3536

 66.3896, 0.3478,  
0.3150

# Harmonies

## Analogous

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



54.8585, 0.3089, 0.3351



54.8585, 0.3041, 0.3302



54.8585, 0.3016, 0.3250

# Triad

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



54.8585, 0.3041, 0.3302



54.8585, 0.3107, 0.3199



54.8585, 0.3234, 0.3370

# Complementary

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



54.8585, 0.3041, 0.3302



50.7108, 0.3220, 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.



54.8585, 0.3239, 0.3329



54.8585, 0.3041, 0.3302



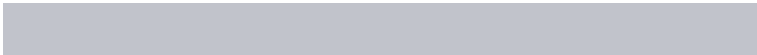
54.8585, 0.3165, 0.3230

# Square

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



54.8585, 0.3041, 0.3302



54.8585, 0.3054, 0.3191



54.8585, 0.3214, 0.3278



54.8585, 0.3200, 0.3390



# Rectangle

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



54.8585, 0.3041, 0.3302



54.8585, 0.3016, 0.3221



54.8585, 0.3214, 0.3278



54.8585, 0.3240, 0.3358

# Sweetspot

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



54.8608, 0.3041, 0.3302



99.0184, 0.3098, 0.3294



54.4998, 0.3128, 0.3440



21.2043, 0.3100, 0.3294



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

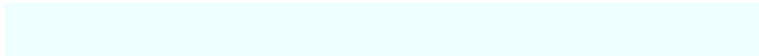


# Same Dimension

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



54.8608, 0.3041, 0.3302



96.6758, 0.3026, 0.3304



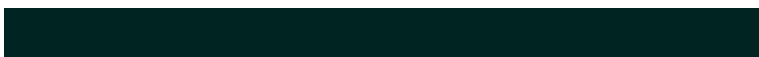
52.6570, 0.3035, 0.3227



12.1554, 0.3021, 0.3305



28.4587, 0.2318, 0.3543



1.3521, 0.2301, 0.3485



# Inverse Universe

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



50.7108, 0.3220, 0.3278



88.1250, 0.3238, 0.3276



52.8134, 0.3223, 0.3352



11.0203, 0.3244, 0.3275



7.8379, 0.6298, 0.3243

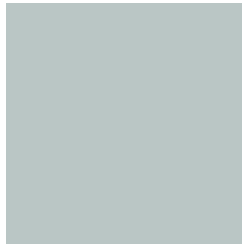


0.3762, 0.5971, 0.3063



# Previews

## White Background



This preview shows how the Yxy color 54.8585, 0.3041, 0.3302 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

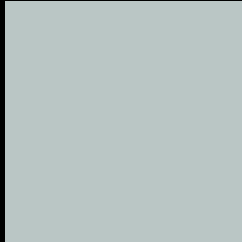
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.8585, 0.3041, 0.3302 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

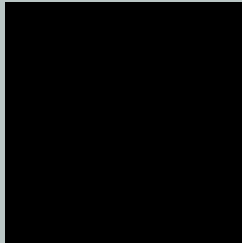
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

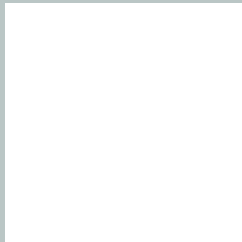
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.8585, 0.3041, 0.3302**

## Background



This preview shows how black text looks on a background with the Yxy color 54.8585, 0.3041, 0.3302.



This preview shows how white text looks on a background with the Yxy color 54.8585, 0.3041, 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

54.8585, 0.3041, 0.3302

### Protanopia

54.6658, 0.3160, 0.3278

### Deuteranopia

54.5158, 0.3240, 0.3173



## Tritanopia

54.8744, 0.2958, 0.3108

# Trichromacy



## Original Color

54.8585, 0.3041, 0.3302

## Protanomaly

54.4851, 0.3112, 0.3278

## Deuteranomaly

54.4730, 0.3171, 0.3218

## Tritanomaly

54.9535, 0.2986, 0.3180

# Monochromacy



## Original Color

54.8585, 0.3041, 0.3302

## Achromatopsia

53.9479, 0.3127, 0.3290

## Achromatomaly

54.0467, 0.3095, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.8585, 0.3041, 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, 198, 197)` looks like.

```
.text, #text, p{  
    color:rgb(186, 198, 197)  
}
```

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, 198, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 198, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 54.8585, 0.3041, 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, 198, 197) }
```

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

```
.border{ border-color:rgb(186, 198, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 198, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 198, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 198, 197);  
box-shadow:4px 4px 4px 4px rgb(186, 198,  
197) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.8585, 0.3041, 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, 198, 197) }
```

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

```
.background{ background-color: rgb(186,  
198, 197) }
```

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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