

# Converting Colors

$Yxy(54.8209, 0.2913, 0.3263)$

Have a look what the booklet for  
Yxy(54.8209, 0.2913, 0.3263)  
contains.

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# Color

**Yxy(54.6190, 0.2911, 0.3252)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEC8CB
RGB	174, 200, 203
RGB Percent	68%, 78%, 80%
CMY	0.3175, 0.2157, 0.2040
CMYK	0.14, 0.01, 0.00, 0.20
HSL	186°, 22%, 74%
HSV	186°, 14%, 80%
XYZ	48.8917, 54.6190, 64.4444
YIQ	192.5680, -16.4590, -4.5790

# Conversions

## Conversions Part 2

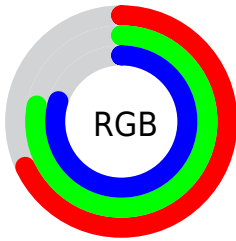
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 188, 203
Decimal	11454667
CIELab	78.82, -8.09, -4.44
CIELCh	79, 9.226, 208.738
Yxy	54.6190, 0.2911, 0.3252
Android (android.graphics.Color)	4289644747 (0xFFAEC8CB)
YUV	192.5680, 5.1430, -16.2841
Hunter-Lab	73.9047, -11.2463, 0.0328

# Details

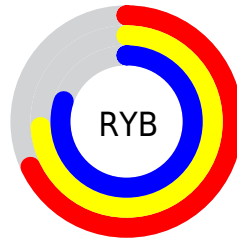
The Yxy color **54.6190, 0.2911, 0.3252** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.1953, 0.3383, 0.3328**, and the grayscale version is **53.0417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **26.7926, 0.2851, 0.3238** is the 20% darker color. If you saturate the color by 10%, you get **51.5049, 0.2767, 0.3223**, and if you desaturate by 10%, it is **58.1030, 0.3062, 0.3279**.

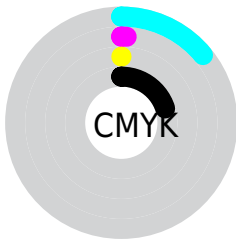
# Distribution



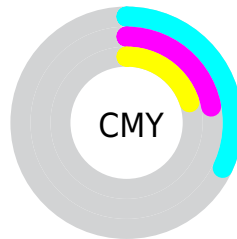
- Red (68%)
- Green (78%)
- Blue (80%)



- Red (68%)
- Yellow (74%)
- Blue (80%)



- Cyan (14%)
- Magenta (1%)
- Yellow (0%)
- Black (20%)




- Cyan (32%)
- Magenta (22%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.6190, 0.2911, 0.3252 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 54.6190, 0.2911, 0.3252 by changing the saturation by 10% instead.





 54.6190, 0.2911,  
0.3252

 54.6190, 0.2911,  
0.3252

404.4661, 0.3016,  
0.3271

 39.0968, 0.2886,  
0.3247


 96.9825, 0.2948,  
0.3259

 26.8350, 0.2854,  
0.3241


124.5926, 0.2962,  
0.3262

 17.4493, 0.2813,  
0.3232


157.0007, 0.2975,  
0.3264

 10.5554, 0.2757,  
0.3220

194.5913, 0.2985,  
0.3266

 5.7687, 0.2677,  
0.3202

237.7487, 0.2994,  
0.3268

 2.7050, 0.2553,  
0.3171

286.8574, 0.3002,

 0.9797, 0.2324,

0.3269

0.3116

342.3017, 0.3009,  
0.3270

0.0000, 0.0000,  
0.0000

54.6190, 0.2911,  
0.3252

54.6190, 0.2911,  
0.3252

51.5049, 0.2767,  
0.3223

58.1030, 0.3062,  
0.3279

48.7382, 0.2634,  
0.3191

61.9650, 0.3216,  
0.3304

46.3040, 0.2513,  
0.3158

66.2212, 0.3373,  
0.3326

44.1840, 0.2407,  
0.3124

70.8424, 0.3526,  
0.3346

42.3578, 0.2320,  
0.3088

71.8666, 0.3522,  
0.3367

■ 40.8025, 0.2251,  
0.3053

■ 72.9042, 0.3518,  
0.3389

■ 39.4918, 0.2201,  
0.3017

■ 73.9553, 0.3513,  
0.3410

■ 38.3936, 0.2169,  
0.2982

■ 75.0198, 0.3509,  
0.3431

■ 37.8252, 0.2156,  
0.2962

■ 76.0979, 0.3505,  
0.3452

# Harmonies

## Analogous

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



54.6190, 0.2986, 0.3364



54.6190, 0.2911, 0.3252



54.6190, 0.2893, 0.3153

# Triad

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



54.6190, 0.2911, 0.3252



54.6190, 0.3152, 0.3131



54.6190, 0.3321, 0.3488

# Complementary

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



54.6190, 0.2911, 0.3252



47.1953, 0.3383, 0.3328

# 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.



54.6190, 0.3367, 0.3421



54.6190, 0.2911, 0.3252



54.6190, 0.3269, 0.3216

# Square

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



54.6190, 0.2911, 0.3252



54.6190, 0.3030, 0.3086



54.6190, 0.3348, 0.3322



54.6190, 0.3222, 0.3503



# Rectangle

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



54.6190, 0.2911, 0.3252



54.6190, 0.2915, 0.3108



54.6190, 0.3348, 0.3322



54.6190, 0.3343, 0.3471

# Sweetspot

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



54.6213, 0.2911, 0.3252



97.4507, 0.3065, 0.3280



54.8708, 0.3089, 0.3627



20.7583, 0.3053, 0.3278



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

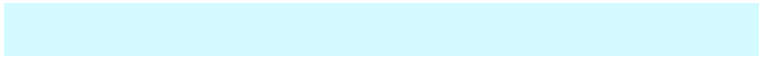


# Same Dimension

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



54.6213, 0.2911, 0.3252



89.8802, 0.2867, 0.3244



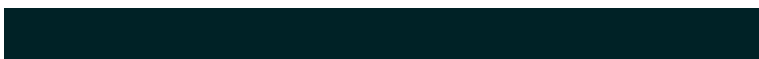
48.2662, 0.2905, 0.3067



12.5227, 0.2983, 0.3266



24.1583, 0.2158, 0.2967



1.3043, 0.2177, 0.3035



# Inverse Universe

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



47.1481, 0.3168, 0.2976



75.1090, 0.3177, 0.2909



53.1834, 0.3358, 0.3503



11.3831, 0.3153, 0.3085



10.2418, 0.3483, 0.1692



0.5342, 0.3423, 0.1659



# Previews

## White Background



This preview shows how the Yxy color 54.6190, 0.2911, 0.3252 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

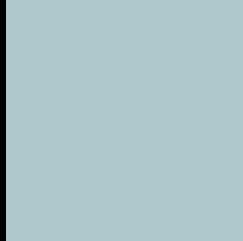
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.6190, 0.2911, 0.3252 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

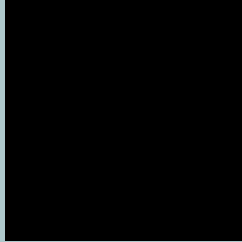
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

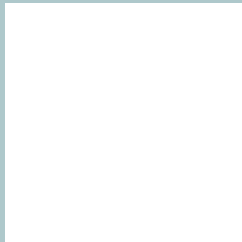
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.6190, 0.2911, 0.3252**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.6190, 0.2911, 0.3252.

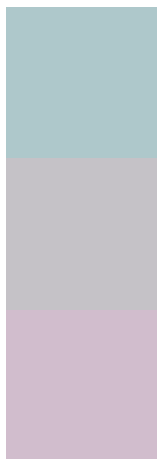


This preview shows how white text looks on a background with the Yxy color 54.6190, 0.2911, 0.3252.

# 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

54.6190, 0.2911, 0.3252

### Protanopia

54.5774, 0.3114, 0.3229

### Deuteranopia

54.3583, 0.3169, 0.3103



## Tritanopia

54.4733, 0.2851, 0.3092

# Trichromacy



## Original Color

54.6190, 0.2911, 0.3252

## Protanomaly

54.4688, 0.3043, 0.3241

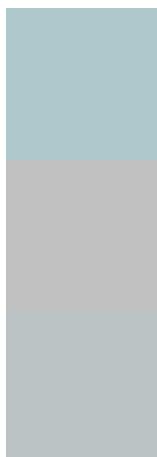
## Deuteranomaly

54.2353, 0.3070, 0.3157

## Tritanomaly

54.6140, 0.2871, 0.3152

# Monochromacy



## Original Color

54.6190, 0.2911, 0.3252

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

53.9502, 0.3041, 0.3277

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.6190, 0.2911, 0.3252 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(174, 200, 203)` looks like.

```
.text, #text, p{  
    color:rgb(174, 200, 203)  
}
```

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(174, 200, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 200, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 54.6190, 0.2911, 0.3252 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(174, 200, 203) }
```

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

```
.border{ border-color:rgb(174, 200, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 200, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 200, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 200, 203);  
box-shadow:4px 4px 4px 4px rgb(174, 200,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.6190, 0.2911, 0.3252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 200, 203) }
```

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

```
.background{ background-color: rgb(174,  
200, 203) }
```

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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