

# Converting Colors

$Y_{xy}(52.0629, 0.2936, 0.3615)$

Have a look what the booklet for  
Yxy(52.0629, 0.2936, 0.3615)  
contains.

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# Color

**Yxy(52.2854, 0.2941, 0.3628)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9ACAB1
RGB	154, 202, 177
RGB Percent	60%, 79%, 69%
CMY	0.3960, 0.2078, 0.3059
CMYK	0.24, 0.00, 0.12, 0.21
HSL	149°, 31%, 70%
HSV	149°, 24%, 79%
XYZ	42.3846, 52.2854, 49.4463
YIQ	184.7980, -20.5830, -17.9510

# Conversions

## Conversions Part 2

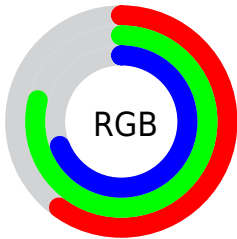
Format	Color
<a href="#">RYB</a>	<a href="#">154, 186, 202</a>
Decimal	<a href="#">10144433</a>
CIELab	<a href="#">77.45, -20.81, 7.39</a>
CIELCh	<a href="#">77, 22.084, 160.439</a>
Yxy	<a href="#">52.2854, 0.2941, 0.3628</a>
Android (android.graphics.Color)	<a href="#">4288334513 (0xFF9ACAB1)</a>
YUV	<a href="#">184.7980, -3.8444, -27.0098</a>
Hunter-Lab	<a href="#">72.3086, -21.9101, 10.0722</a>

# Details

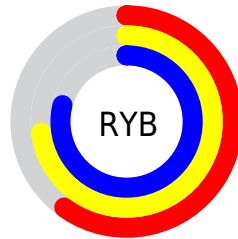
The Yxy color **52.2854, 0.2941, 0.3628** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.9313, 0.3367, 0.2975**, and the grayscale version is **48.4308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.9585, 0.2972, 0.3521**, and **25.4598, 0.2893, 0.3738** is the 20% darker color. If you saturate the color by 10%, you get **50.0652, 0.2870, 0.3796**, and if you desaturate by 10%, it is **54.8759, 0.3018, 0.3475**.

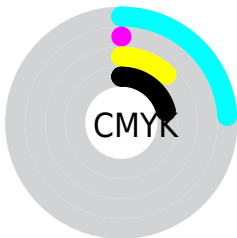
# Distribution



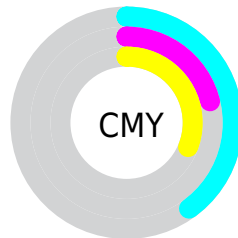
- Red (60%)
- Green (79%)
- Blue (69%)



- Red (60%)
- Yellow (73%)
- Blue (79%)



- Cyan (24%)
- Magenta (0%)
- Yellow (12%)
- Black (21%)



- Cyan (40%)
- Magenta (21%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2854, 0.2941, 0.3628 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 52.2854, 0.2941, 0.3628 by changing the saturation by 10% instead.




 52.2854, 0.2941,  
0.3628

 52.2854, 0.2941,  
0.3628


395.5374, 0.3034,  
0.3458

 37.2326, 0.2918,  
0.3671


 93.5520, 0.2975,  
0.3566

 25.3876, 0.2888,  
0.3726


 120.5346, 0.2988,  
0.3543

 16.3661, 0.2848,  
0.3799


152.2626, 0.2998,  
0.3523

 9.7836, 0.2792,  
0.3902

189.1204, 0.3008,  
0.3507

 5.2557, 0.2708,  
0.4057

231.4924, 0.3016,  
0.3492

 2.3981, 0.2570,  
0.4316

279.7630, 0.3023,

 0.8249, 0.1862,

0.3479

0.5566

334.3165, 0.3029,  
0.3468

0.0000, 0.0000,  
0.0000

52.2854, 0.2941,  
0.3628

52.2854, 0.2941,  
0.3628

50.0652, 0.2870,  
0.3796

54.8759, 0.3018,  
0.3475

48.1914, 0.2807,  
0.3979

57.8463, 0.3097,  
0.3338

46.6473, 0.2757,  
0.4173

61.2142, 0.3177,  
0.3215

45.4121, 0.2721,  
0.4375

64.9938, 0.3257,  
0.3107

44.4627, 0.2704,  
0.4580

69.1946, 0.3334,  
0.3012

■ 43.7724, 0.2706,  
0.4781

■ 69.8031, 0.3257,  
0.2910

■ 43.3090, 0.2727,  
0.4974

■ 70.4479, 0.3182,  
0.2811

■ 43.0989, 0.2747,  
0.5089

■ 70.7215, 0.3151,  
0.2772

# Harmonies

## Analogous

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



52.2854, 0.3236, 0.3795



52.2854, 0.2941, 0.3628



52.2854, 0.2704, 0.3359

# Triad

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



52.2854, 0.2941, 0.3628



52.2854, 0.2742, 0.2801



52.2854, 0.3708, 0.3451

# Complementary

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



52.2854, 0.2941, 0.3628



38.9313, 0.3367, 0.2975

# 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.



52.2854, 0.3564, 0.3203



52.2854, 0.2941, 0.3628



52.2854, 0.2997, 0.2839

# Square

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



52.2854, 0.2941, 0.3628



52.2854, 0.2594, 0.2885



52.2854, 0.3299, 0.2984



52.2854, 0.3686, 0.3673



# Rectangle

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



52.2854, 0.2941, 0.3628



52.2854, 0.2606, 0.3171



52.2854, 0.3299, 0.2984



52.2854, 0.3677, 0.3368

# Sweetspot

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



52.2876, 0.2941, 0.3628



96.1854, 0.3070, 0.3382



54.2320, 0.3297, 0.3914



20.5206, 0.3065, 0.3390



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

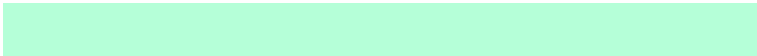


# Same Dimension

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



52.2876, 0.2941, 0.3628



86.3309, 0.2900, 0.3721



53.3027, 0.2790, 0.3310



12.6249, 0.3052, 0.3413



27.7511, 0.2740, 0.5065



1.4470, 0.2638, 0.4695



# Inverse Universe

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



38.9313, 0.3367, 0.2975



59.4743, 0.3441, 0.2897



38.0627, 0.3599, 0.3271



11.3097, 0.3210, 0.3170



8.7585, 0.4853, 0.2447



0.4671, 0.4446, 0.2223



# Previews

## White Background



This preview shows how the Yxy color 52.2854, 0.2941, 0.3628 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

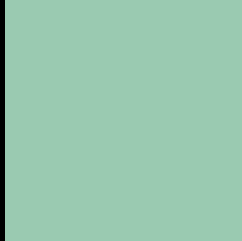
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.2854, 0.2941, 0.3628 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

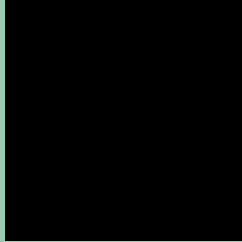
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.2854, 0.2941, 0.3628**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.2854, 0.2941, 0.3628.

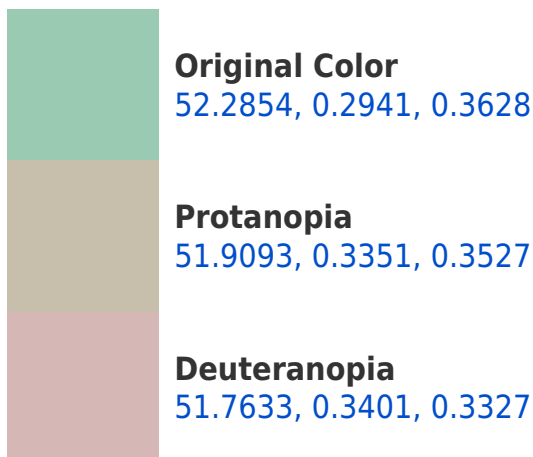


This preview shows how white text looks on a background with the Yxy color 52.2854, 0.2941, 0.3628.

# 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

52.3137, 0.2752, 0.3085

# Trichromacy



**Original Color**

52.2854, 0.2941, 0.3628

**Protanomaly**

51.6680, 0.3195, 0.3561

**Deuteranomaly**

51.7634, 0.3219, 0.3428

**Tritanomaly**

52.2861, 0.2816, 0.3276

# Monochromacy



**Original Color**

52.2854, 0.2941, 0.3628

**Achromatopsia**

48.5150, 0.3127, 0.3290

**Achromatomaly**

49.6377, 0.3057, 0.3408

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  52.2854, 0.2941, 0.3628 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(154, 202, 177)` looks like.

```
.text, #text, p{  
    color:rgb(154, 202, 177)  
}
```

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(154, 202, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 202, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 52.2854, 0.2941, 0.3628 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(154, 202, 177) }
```

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

```
.border{ border-color:rgb(154, 202, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 202, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(154, 202, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(154, 202, 177); box-shadow:4px 4px 4px 4px rgb(154, 202, 177) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.2854, 0.2941, 0.3628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 202, 177) }
```

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

```
.background{ background-color: rgb(154,  
202, 177) }
```

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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