

# Converting Colors

$Y_{xy}(52.0779, 0.3038, 0.3540)$

Have a look what the booklet for  
Yxy(52.0779, 0.3038, 0.3540)  
contains.

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# Color

**Yxy(52.0779, 0.3038, 0.3540)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9C6B3
RGB	169, 198, 179
RGB Percent	66%, 78%, 70%
CMY	0.3372, 0.2235, 0.2981
CMYK	0.15, 0.00, 0.10, 0.22
HSL	141°, 20%, 72%
HSV	141°, 15%, 78%
XYZ	44.6928, 52.0779, 50.3420
YIQ	187.1630, -11.1850, -12.0570

# Conversions

## Conversions Part 2

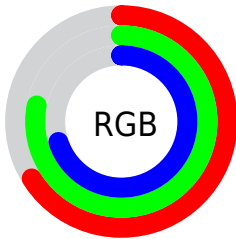
<b>Format</b>	<b>Color</b>
<b>RYB</b>	169, 191, 198
Decimal	11126451
CIELab	77.33, -13.46, 6.26
CIELCh	77, 14.847, 155.071
Yxy	52.0779, 0.3038, 0.3540
Android (android.graphics.Color)	4289316531 (0xFFA9C6B3)
YUV	187.1630, -4.0244, -15.9290
Hunter-Lab	72.1650, -15.7411, 9.1551

# Details

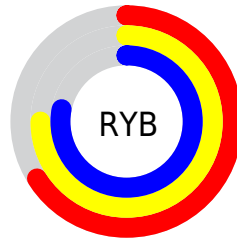
The Yxy color **52.0779, 0.3038, 0.3540** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.0146, 0.3229, 0.3052**, and the grayscale version is **49.8199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3655, 0.3050, 0.3494**, and **25.2348, 0.3019, 0.3615** is the 20% darker color. If you saturate the color by 10%, you get **49.5527, 0.2979, 0.3736**, and if you desaturate by 10%, it is **54.9885, 0.3099, 0.3365**.

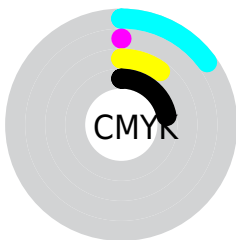
# Distribution



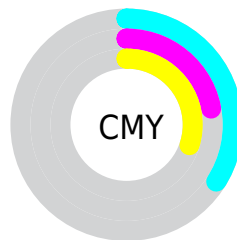
- Red (66%)
- Green (78%)
- Blue (70%)



- Red (66%)
- Yellow (75%)
- Blue (78%)



- Cyan (15%)
- Magenta (0%)
- Yellow (10%)
- Black (22%)




- Cyan (34%)
- Magenta (22%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.0779, 0.3038, 0.3540 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 52.0779, 0.3038, 0.3540 by changing the saturation by 10% instead.





 52.0779, 0.3038,  
0.3540

 52.0779, 0.3038,  
0.3540


394.7373, 0.3083,  
0.3415

 37.0672, 0.3027,  
0.3571


 93.2461, 0.3054,  
0.3495

 25.2595, 0.3012,  
0.3611


 120.1724, 0.3060,  
0.3478

 16.2705, 0.2993,  
0.3665


151.8393, 0.3066,  
0.3463

 9.7158, 0.2965,  
0.3739

188.6313, 0.3070,  
0.3451

 5.2109, 0.2924,  
0.3851

230.9326, 0.3074,  
0.3440

 2.3715, 0.2855,  
0.4036

279.1278, 0.3077,

 0.8112, 0.2603,

0.3431

0.4774

333.6012, 0.3080,  
0.3422

0.0000, 0.0000,  
0.0000

52.0779, 0.3038,  
0.3540

52.0779, 0.3038,  
0.3540

49.5527, 0.2979,  
0.3736

54.9885, 0.3099,  
0.3365

47.3902, 0.2924,  
0.3952

58.2932, 0.3160,  
0.3209

45.5751, 0.2876,  
0.4186

62.0086, 0.3219,  
0.3073

44.0885, 0.2839,  
0.4433

66.1483, 0.3277,  
0.2953

42.9098, 0.2814,  
0.4687

68.1747, 0.3233,  
0.2835

■ 42.0157, 0.2806,  
0.4938

■ 68.8702, 0.3153,  
0.2732

■ 41.3795, 0.2815,  
0.5175

■ 40.9691, 0.2841,  
0.5388

■ 40.8104, 0.2859,  
0.5491

# Harmonies

## Analogous

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



52.0779, 0.3239, 0.3634



52.0779, 0.3038, 0.3540



52.0779, 0.2865, 0.3373

# Triad

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



52.0779, 0.3038, 0.3540



52.0779, 0.2842, 0.2961



52.0779, 0.3506, 0.3374

# Complementary

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



52.0779, 0.3038, 0.3540



44.0146, 0.3229, 0.3052

# 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.



52.0779, 0.3393, 0.3203



52.0779, 0.3038, 0.3540



52.0779, 0.3006, 0.2970

# Square

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



52.0779, 0.3038, 0.3540



52.0779, 0.2754, 0.3037



52.0779, 0.3208, 0.3058



52.0779, 0.3514, 0.3530



# Rectangle

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



52.0779, 0.3038, 0.3540



52.0779, 0.2787, 0.3247



52.0779, 0.3208, 0.3058



52.0779, 0.3479, 0.3317

# Sweetspot

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



52.0801, 0.3038, 0.3540



97.6934, 0.3102, 0.3355



53.9891, 0.3264, 0.3658



20.8203, 0.3098, 0.3368



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

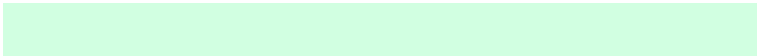


# Same Dimension

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



52.0801, 0.3038, 0.3540



90.5217, 0.3016, 0.3609



52.6834, 0.2940, 0.3352



11.9472, 0.3070, 0.3445



26.5534, 0.2852, 0.5467



1.2710, 0.2730, 0.5028



# Inverse Universe

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



44.0146, 0.3229, 0.3052



73.1528, 0.3258, 0.2991



43.4330, 0.3353, 0.3229



10.7521, 0.3189, 0.3140



8.8683, 0.4305, 0.2145

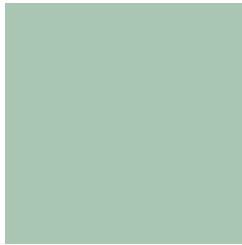


0.4332, 0.4021, 0.1989



# Previews

## White Background



This preview shows how the Yxy color 52.0779, 0.3038, 0.3540 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

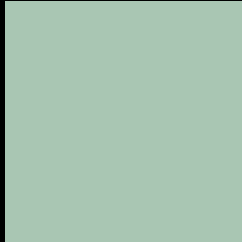
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.0779, 0.3038, 0.3540 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

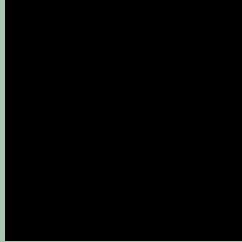
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

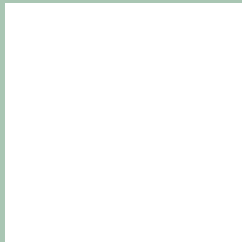
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.0779, 0.3038, 0.3540**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.0779, 0.3038, 0.3540.



This preview shows how white text looks on a background with the Yxy color 52.0779, 0.3038, 0.3540.

# 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

52.0779, 0.3038, 0.3540

### Protanopia

51.9278, 0.3311, 0.3477

### Deuteranopia

51.6554, 0.3384, 0.3315



## Tritanopia

52.1857, 0.2867, 0.3101

# Trichromacy



## Original Color

52.0779, 0.3038, 0.3540

## Protanomaly

51.8393, 0.3207, 0.3507

## Deuteranomaly

51.4672, 0.3247, 0.3390

## Tritanomaly

51.8781, 0.2928, 0.3251

# Monochromacy



## Original Color

52.0779, 0.3038, 0.3540

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

50.4256, 0.3091, 0.3380

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.0779, 0.3038, 0.3540 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(169, 198, 179)` looks like.

```
.text, #text, p{  
    color:rgb(169, 198, 179)  
}
```

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(169, 198, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 198, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 52.0779, 0.3038, 0.3540 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(169, 198, 179) }
```

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

```
.border{ border-color:rgb(169, 198, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 198, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 198, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 198, 179);  
box-shadow:4px 4px 4px 4px rgb(169, 198,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.0779, 0.3038, 0.3540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 198, 179) }
```

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

```
.background{ background-color: rgb(169,  
198, 179) }
```

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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