

# Converting Colors

$Yxy(52.3355, 0.2932, 0.3293)$

Have a look what the booklet for  
Yxy(52.3355, 0.2932, 0.3293)  
contains.

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# Color

**Yxy(52.1233, 0.2934, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABC4C4
RGB	171, 196, 196
RGB Percent	67%, 77%, 77%
CMY	0.3295, 0.2313, 0.2312
CMYK	0.13, 0.00, 0.00, 0.23
HSL	180°, 18%, 72%
HSV	180°, 13%, 77%
XYZ	46.4973, 52.1233, 59.8570
YIQ	188.5250, -14.9000, -5.3000

# Conversions

## Conversions Part 2

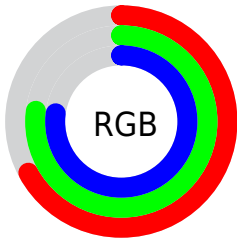
Format	Color
<a href="#">RYB</a>	<a href="#">171, 184, 196</a>
Decimal	<a href="#">11257028</a>
CIELab	<a href="#">77.35, -8.42, -2.88</a>
CIElCh	<a href="#">77, 8.897, 198.902</a>
Yxy	<a href="#">52.1233, 0.2934, 0.3289</a>
Android (android.graphics.Color)	<a href="#">4289447108</a> ( <a href="#">0xFFABC4C4</a> )
YUV	<a href="#">188.5250, 3.6852, -15.3694</a>
Hunter-Lab	<a href="#">72.1965, -11.3829, 1.3811</a>

# Details

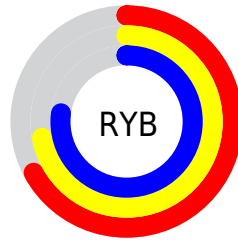
The Yxy color **52.1233, 0.2934, 0.3289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.8085, 0.3357, 0.3291**, and the grayscale version is **50.5884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6733, 0.2969, 0.3290**, and **25.1505, 0.2881, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **50.0741, 0.2793, 0.3288**, and if you desaturate by 10%, it is **54.5033, 0.3084, 0.3290**.

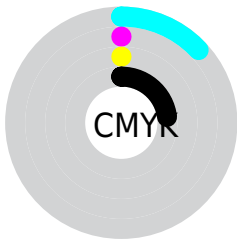
# Distribution



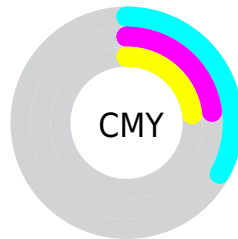
- Red (67%)
- Green (77%)
- Blue (77%)



- Red (67%)
- Yellow (72%)
- Blue (77%)



- Cyan (13%)
- Magenta (0%)
- Yellow (0%)
- Black (23%)




- Cyan (33%)
- Magenta (23%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.1233, 0.2934, 0.3289 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 52.1233, 0.2934, 0.3289 by changing the saturation by 10% instead.




 52.1233, 0.2934,  
0.3289

 52.1233, 0.2934,  
0.3289


394.9124, 0.3028,  
0.3290

 37.1034, 0.2911,  
0.3289


 93.3131, 0.2968,  
0.3290

 25.2875, 0.2882,  
0.3288


120.2517, 0.2981,  
0.3290

 16.2914, 0.2844,  
0.3287


151.9320, 0.2992,  
0.3290

 9.7306, 0.2792,  
0.3285

188.7383, 0.3001,  
0.3290

 5.2207, 0.2716,  
0.3281

231.0552, 0.3009,  
0.3290

 2.3773, 0.2597,  
0.3274

279.2669, 0.3016,

 0.8142, 0.2296,

0.3290

333.7578, 0.3023,  
0.3290

0.3288

0.0000, 0.0000,  
0.0000

52.1233, 0.2934,  
0.3289

52.1233, 0.2934,  
0.3289

50.0741, 0.2793,  
0.3288

54.5033, 0.3084,  
0.3290

48.3349, 0.2665,  
0.3288

57.2211, 0.3241,  
0.3291

46.8924, 0.2551,  
0.3287

60.2915, 0.3400,  
0.3291

45.7300, 0.2455,  
0.3286

63.7265, 0.3561,  
0.3292

44.8294, 0.2376,  
0.3285

64.7862, 0.3607,  
0.3292

■ 44.1700, 0.2318,  
0.3285

■ 64.7973, 0.3607,  
0.3293

■ 43.7282, 0.2277,  
0.3284

■ 64.8085, 0.3607,  
0.3293

■ 43.4758, 0.2255,  
0.3284

■ 64.8196, 0.3607,  
0.3293

■ 43.3732, 0.2246,  
0.3284

■ 64.8308, 0.3607,  
0.3293

# Harmonies

## Analogous

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



52.1233, 0.3022, 0.3396



52.1233, 0.2934, 0.3289



52.1233, 0.2897, 0.3184

# Triad

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



52.1233, 0.2934, 0.3289



52.1233, 0.3111, 0.3115



52.1233, 0.3338, 0.3468

# Complementary

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



52.1233, 0.2934, 0.3289



43.8085, 0.3357, 0.3291

# 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.



52.1233, 0.3363, 0.3389



52.1233, 0.2934, 0.3289



52.1233, 0.3231, 0.3187

# Square

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



52.1233, 0.2934, 0.3289



52.1233, 0.2997, 0.3087



52.1233, 0.3324, 0.3286



52.1233, 0.3256, 0.3500



# Rectangle

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



52.1233, 0.2934, 0.3289



52.1233, 0.2905, 0.3131



52.1233, 0.3324, 0.3286



52.1233, 0.3354, 0.3446

# Sweetspot

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



52.1255, 0.2934, 0.3289



98.1083, 0.3065, 0.3290



51.0917, 0.3112, 0.3622



20.9255, 0.3053, 0.3290



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.



52.1255, 0.2934, 0.3289



93.4227, 0.2899, 0.3289



46.7188, 0.2930, 0.3126



11.4262, 0.2985, 0.3289



27.8579, 0.2246, 0.3284



1.2044, 0.2246, 0.3285



# Inverse Universe

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



44.8431, 0.3142, 0.2979



77.9738, 0.3145, 0.2918



48.7567, 0.3336, 0.3449



10.2473, 0.3138, 0.3063



10.0945, 0.3212, 0.1543



0.4362, 0.3212, 0.1543



# Previews

## White Background



This preview shows how the Yxy color 52.1233, 0.2934, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

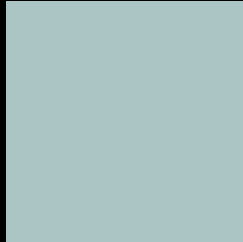
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.1233, 0.2934, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

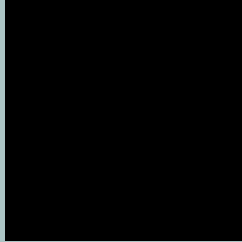
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

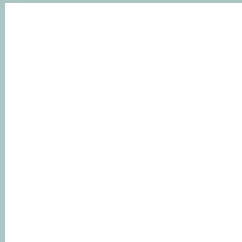
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.1233, 0.2934, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.1233, 0.2934, 0.3289.

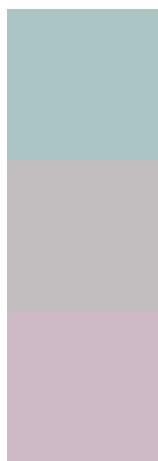


This preview shows how white text looks on a background with the Yxy color 52.1233, 0.2934, 0.3289.

# 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

52.1233, 0.2934, 0.3289

### Protanopia

52.1020, 0.3145, 0.3265

### Deuteranopia

51.8970, 0.3201, 0.3135



## Tritanopia

52.0713, 0.2860, 0.3100

# Trichromacy



## Original Color

52.1233, 0.2934, 0.3289

## Protanomaly

51.9886, 0.3072, 0.3277

## Deuteranomaly

51.7639, 0.3099, 0.3191

## Tritanomaly

52.1605, 0.2887, 0.3175

# Monochromacy



## Original Color

52.1233, 0.2934, 0.3289

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

51.4501, 0.3047, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  52.1233, 0.2934, 0.3289 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(171, 196, 196)` looks like.

```
.text, #text, p{  
    color:rgb(171, 196, 196)  
}
```

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(171, 196, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 196, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 52.1233, 0.2934, 0.3289 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(171, 196, 196) }
```

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

```
.border{ border-color:rgb(171, 196, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 196, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 196, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 196, 196); box-shadow:4px 4px 4px 4px rgb(171, 196, 196) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.1233, 0.2934, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 196, 196) }
```

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

```
.background{ background-color: rgb(171,  
196, 196) }
```

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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