

# Converting Colors

$Y_{xy}(49.9244, 0.2892, 0.3304)$

Have a look what the booklet for  
Yxy(49.9244, 0.2892, 0.3304)  
contains.

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# Color

**Yxy(50.0707, 0.2894, 0.3316)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2C2C0
RGB	162, 194, 192
RGB Percent	64%, 76%, 75%
CMY	0.3649, 0.2392, 0.2471
CMYK	0.17, 0.00, 0.01, 0.24
HSL	176°, 21%, 70%
HSV	176°, 17%, 76%
XYZ	43.6986, 50.0707, 57.2280
YIQ	184.2040, -18.4300, -7.4060

# Conversions

## Conversions Part 2

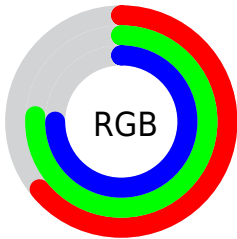
<b>Format</b>	<b>Color</b>
<b>RYB</b>	162, 179, 194
Decimal	10666688
CIELab	76.11, -11.13, -2.59
CIElCh	76, 11.430, 193.090
Yxy	50.0707, 0.2894, 0.3316
Android (android.graphics.Color)	4288856768 (0xFFA2C2C0)
YUV	184.2040, 3.8434, -19.4729
Hunter-Lab	70.7607, -13.5975, 1.5814

# Details

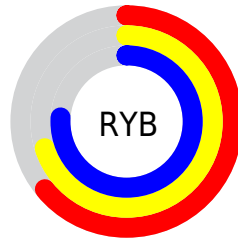
The Yxy color **50.0707, 0.2894, 0.3316** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.9746, 0.3419, 0.3264**, and the grayscale version is **48.0337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.5234, 0.2936, 0.3320**, and **23.9352, 0.2828, 0.3307** is the 20% darker color. If you saturate the color by 10%, you get **48.1421, 0.2765, 0.3334**, and if you desaturate by 10%, it is **52.3174, 0.3033, 0.3300**.

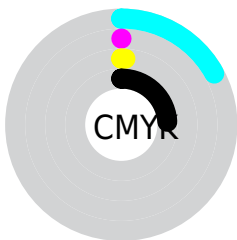
# Distribution



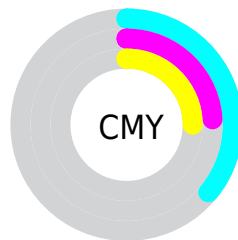
- Red (64%)
- Green (76%)
- Blue (75%)



- Red (64%)
- Yellow (70%)
- Blue (76%)



- Cyan (17%)
- Magenta (0%)
- Yellow (1%)
- Black (24%)



- Cyan (36%)
- Magenta (24%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0707, 0.2894, 0.3316 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 50.0707, 0.2894, 0.3316 by changing the saturation by 10% instead.





 50.0707, 0.2894,  
0.3316

 50.0707, 0.2894,  
0.3316


386.9424, 0.3009,  
0.3304

 35.4696, 0.2866,  
0.3319


 90.2796, 0.2935,  
0.3312

 24.0248, 0.2830,  
0.3322


 116.6562, 0.2951,  
0.3310

 15.3520, 0.2783,  
0.3326


147.7267, 0.2964,  
0.3309

 9.0668, 0.2719,  
0.3331

183.8756, 0.2976,  
0.3308

 4.7848, 0.2624,  
0.3338

225.4872, 0.2985,  
0.3307

 2.1216, 0.2474,  
0.3347

272.9459, 0.2994,

 0.6767, 0.1889,

0.3306

0.3442

326.6362, 0.3002,  
0.3305

0.0000, 0.0000,  
0.0000

50.0707, 0.2894,  
0.3316

50.0707, 0.2894,  
0.3316

48.1421, 0.2765,  
0.3334

52.3174, 0.3033,  
0.3300

46.5109, 0.2647,  
0.3352

54.8893, 0.3178,  
0.3285

45.1639, 0.2545,  
0.3372

57.8011, 0.3327,  
0.3272

44.0841, 0.2460,  
0.3392

61.0648, 0.3478,  
0.3260

43.2531, 0.2393,  
0.3413

63.9329, 0.3595,  
0.3249

■ 42.6497, 0.2345,  
0.3434

■ 63.9895, 0.3585,  
0.3236

■ 42.2496, 0.2316,  
0.3455

■ 64.0467, 0.3575,  
0.3224

■ 42.0208, 0.2303,  
0.3476

■ 64.1042, 0.3565,  
0.3211

■ 41.9598, 0.2301,  
0.3483

■ 64.1623, 0.3555,  
0.3199

# Harmonies

## Analogous

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



50.0707, 0.3018, 0.3453



50.0707, 0.2894, 0.3316



50.0707, 0.2832, 0.3175

# Triad

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



50.0707, 0.2894, 0.3316



50.0707, 0.3075, 0.3051



50.0707, 0.3415, 0.3504

# Complementary

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



50.0707, 0.2894, 0.3316



39.9746, 0.3419, 0.3264

# 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.



50.0707, 0.3432, 0.3392



50.0707, 0.2894, 0.3316



50.0707, 0.3233, 0.3135

# Square

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



50.0707, 0.2894, 0.3316



50.0707, 0.2934, 0.3027



50.0707, 0.3365, 0.3258



50.0707, 0.3320, 0.3562



# Rectangle

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



50.0707, 0.2894, 0.3316



50.0707, 0.2833, 0.3100



50.0707, 0.3365, 0.3258



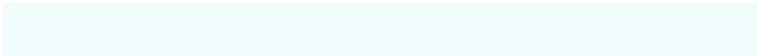
50.0707, 0.3430, 0.3472

# Sweetspot

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



50.0728, 0.2894, 0.3316



95.4053, 0.3054, 0.3298



49.0998, 0.3124, 0.3728



20.8234, 0.3043, 0.3299



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

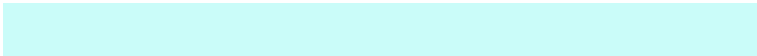


# Same Dimension

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



50.0728, 0.2894, 0.3316



89.3112, 0.2844, 0.3323



44.2639, 0.2872, 0.3102



11.4172, 0.2993, 0.3304



27.5868, 0.2300, 0.3480



1.1953, 0.2287, 0.3434



# Inverse Universe

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



39.9746, 0.3419, 0.3264



67.4164, 0.3502, 0.3258



45.0690, 0.3409, 0.3471



10.0879, 0.3279, 0.3276



7.5629, 0.6323, 0.3257



0.3304, 0.6049, 0.3106



# Previews

## White Background



This preview shows how the Yxy color 50.0707, 0.2894, 0.3316 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

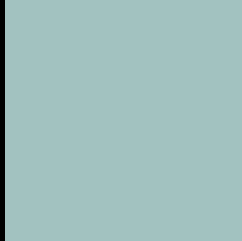
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.0707, 0.2894, 0.3316 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

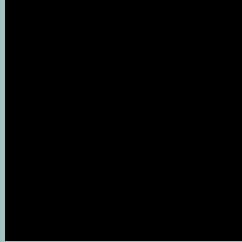
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

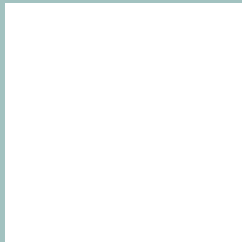
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 50.0707, 0.2894, 0.3316**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.0707, 0.2894, 0.3316.



This preview shows how white text looks on a background with the Yxy color 50.0707, 0.2894, 0.3316.

# 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

50.0707, 0.2894, 0.3316

### Protanopia

49.6958, 0.3145, 0.3265

### Deuteranopia

49.9526, 0.3194, 0.3132



## Tritanopia

50.2036, 0.2814, 0.3096

# Trichromacy



## Original Color

50.0707, 0.2894, 0.3316

## Protanomaly

49.7726, 0.3054, 0.3290

## Deuteranomaly

49.5776, 0.3074, 0.3189

## Tritanomaly

50.2967, 0.2841, 0.3172

# Monochromacy



## Original Color

50.0707, 0.2894, 0.3316

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

48.7844, 0.3037, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.0707, 0.2894, 0.3316 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(162, 194, 192)` looks like.

```
.text, #text, p{  
    color:rgb(162, 194, 192)  
}
```

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(162, 194, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 194, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 50.0707, 0.2894, 0.3316 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(162, 194, 192) }
```

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

```
.border{ border-color:rgb(162, 194, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 194, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 194, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 194, 192);  
box-shadow:4px 4px 4px 4px rgb(162, 194,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.0707, 0.2894, 0.3316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 194, 192) }
```

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

```
.background{ background-color: rgb(162,  
194, 192) }
```

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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