

# Converting Colors

$Yxy(60.0548, 0.2806, 0.3309)$

Have a look what the booklet for  
Yxy(60.0548, 0.2806, 0.3309)  
contains.

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# Color

**Yxy(60.2910, 0.2807, 0.3314)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5D5D3
RGB	165, 213, 211
RGB Percent	65%, 84%, 83%
CMY	0.3530, 0.1647, 0.1726
CMYK	0.23, 0.00, 0.01, 0.16
HSL	177°, 36%, 74%
HSV	177°, 23%, 84%
XYZ	51.0672, 60.2910, 70.5699
YIQ	198.4200, -27.9660, -10.7980

# Conversions

## Conversions Part 2

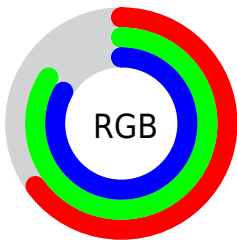
<b>Format</b>	<b>Color</b>
<b>RYB</b>	165, 190, 213
Decimal	10868179
CIELab	82.00, -15.92, -4.12
CIELCh	82, 16.443, 194.519
Yxy	60.2910, 0.2807, 0.3314
Android (android.graphics.Color)	4289058259 (0xFFA5D5D3)
YUV	198.4200, 6.2019, -29.3093
Hunter-Lab	77.6473, -18.4864, 0.4672

# Details

The Yxy color **60.2910, 0.2807, 0.3314** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.8453, 0.3567, 0.3267**, and the grayscale version is **56.7154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **30.3328, 0.2724, 0.3306** is the 20% darker color. If you saturate the color by 10%, you get **58.1519, 0.2682, 0.3326**, and if you desaturate by 10%, it is **62.8157, 0.2944, 0.3303**.

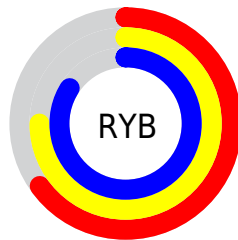
# Distribution



Red (65%)

Green (84%)

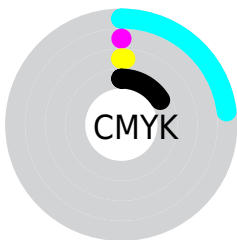
Blue (83%)



Red (65%)

Yellow (75%)

Blue (84%)

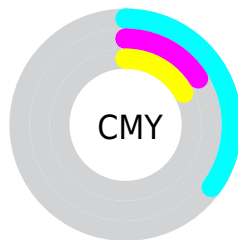


Cyan (23%)

Magenta (0%)

Yellow (1%)

Black (16%)



Cyan (35%)

Magenta (16%)


Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.2910, 0.2807, 0.3314 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 60.2910, 0.2807, 0.3314 by changing the saturation by 10% instead.




 60.2910, 0.2807,  
0.3314


 60.2910, 0.2807,  
0.3314

425.6696, 0.2959,  
0.3304

 43.6532, 0.2771,  
0.3316

 105.2517, 0.2861,  
0.3311

 30.3980, 0.2727,  
0.3318


 134.3434, 0.2881,  
0.3310

 20.1409, 0.2669,  
0.3320


168.3552, 0.2899,  
0.3308

 12.4975, 0.2593,  
0.3323

207.6715, 0.2914,  
0.3307

 7.0834, 0.2486,  
0.3325

252.6767, 0.2927,  
0.3306

 3.5143, 0.2326,  
0.3326

303.7552, 0.2939,

 1.4058, 0.2063,

0.3306

361.2913, 0.2950,  
0.3305

0.3318

0.2210, 0.0000,  
0.2947

0.0000, 0.0000,  
0.0000

60.2910, 0.2807,  
0.3314

60.2910, 0.2807,  
0.3314

58.1519, 0.2682,  
0.3326

62.8157, 0.2944,  
0.3303

56.3721, 0.2571,  
0.3339

65.7361, 0.3089,  
0.3292

54.9337, 0.2477,  
0.3352

69.0710, 0.3240,  
0.3283

53.8142, 0.2402,  
0.3366

72.8361, 0.3395,  
0.3275

■ 52.9884, 0.2346,  
0.3380

■ 73.7817, 0.3424,  
0.3266

■ 52.4276, 0.2308,  
0.3393

■ 73.8278, 0.3418,  
0.3257

■ 52.0968, 0.2289,  
0.3407

■ 73.8742, 0.3411,  
0.3248

■ 51.9556, 0.2283,  
0.3417

■ 73.9208, 0.3405,  
0.3239

■ 73.9677, 0.3398,  
0.3230

# Harmonies

## Analogous

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



60.2910, 0.2970, 0.3504



60.2910, 0.2807, 0.3314



60.2910, 0.2729, 0.3124

# Triad

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



60.2910, 0.2807, 0.3314



60.2910, 0.3065, 0.2974



60.2910, 0.3513, 0.3583

# Complementary

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



60.2910, 0.2807, 0.3314



43.8453, 0.3567, 0.3267

# 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.



60.2910, 0.3543, 0.3433



60.2910, 0.2807, 0.3314



60.2910, 0.3279, 0.3089

# Square

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



60.2910, 0.2807, 0.3314



60.2910, 0.2874, 0.2937



60.2910, 0.3456, 0.3254



60.2910, 0.3378, 0.3660



# Rectangle

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



60.2910, 0.2807, 0.3314



60.2910, 0.2734, 0.3025



60.2910, 0.3456, 0.3254



60.2910, 0.3536, 0.3539

# Sweetspot

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



60.2935, 0.2807, 0.3314



96.7223, 0.3022, 0.3297



58.5668, 0.3115, 0.3914



20.6451, 0.3013, 0.3298



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

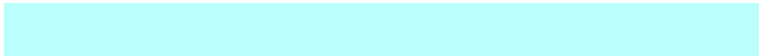


# Same Dimension

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



60.2935, 0.2807, 0.3314



89.0135, 0.2746, 0.3320



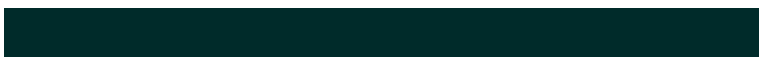
50.2398, 0.2774, 0.3014



14.0985, 0.2988, 0.3299



31.7385, 0.2282, 0.3415



1.9172, 0.2276, 0.3392



# Inverse Universe

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



43.8453, 0.3567, 0.3267



60.1166, 0.3690, 0.3262



52.2345, 0.3530, 0.3551



12.4291, 0.3285, 0.3281



8.6568, 0.6352, 0.3273

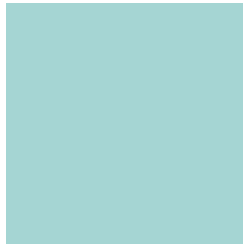


0.5252, 0.6203, 0.3191



# Previews

## White Background



This preview shows how the Yxy color 60.2910, 0.2807, 0.3314 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

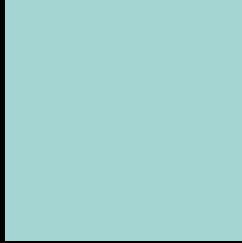
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.2910, 0.2807, 0.3314 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

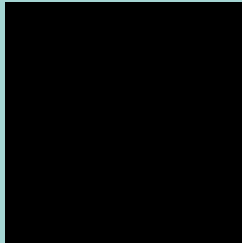
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

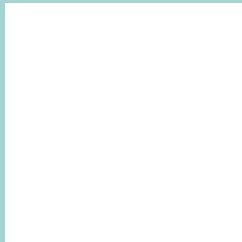
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.2910, 0.2807, 0.3314**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.2910, 0.2807, 0.3314.

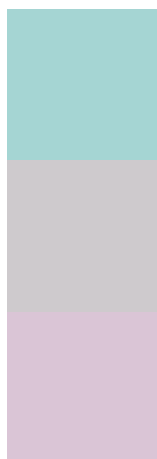


This preview shows how white text looks on a background with the Yxy color 60.2910, 0.2807, 0.3314.

# 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

60.2910, 0.2807, 0.3314

### Protanopia

59.7706, 0.3137, 0.3255

### Deuteranopia

59.6930, 0.3168, 0.3099



## Tritanopia

59.9641, 0.2728, 0.3083

# Trichromacy



## Original Color

60.2910, 0.2807, 0.3314

## Protanomaly

59.7240, 0.3009, 0.3278

## Deuteranomaly

59.6581, 0.3027, 0.3173

## Tritanomaly

60.0245, 0.2758, 0.3167

# Monochromacy



## Original Color

60.2910, 0.2807, 0.3314

## Achromatopsia

56.4712, 0.3127, 0.3290

## Achromatomaly

57.4628, 0.2999, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.2910, 0.2807, 0.3314 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(165, 213, 211)` looks like.

```
.text, #text, p{  
    color:rgb(165, 213, 211)  
}
```

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(165, 213, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 213, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 60.2910, 0.2807, 0.3314 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(165, 213, 211) }
```

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

```
.border{ border-color:rgb(165, 213, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 213, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 213, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 213, 211);  
box-shadow:4px 4px 4px 4px rgb(165, 213,  
211) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.2910, 0.2807, 0.3314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 213, 211) }
```

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

```
.background{ background-color: rgb(165,  
213, 211) }
```

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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