

# Converting Colors

$Yxy(56.6836, 0.2668, 0.3164)$

Have a look what the booklet for  
Yxy(56.6836, 0.2668, 0.3164)  
contains.

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# Color

**Yxy(56.6577, 0.2667, 0.3162)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	96D0DA
RGB	150, 208, 218
RGB Percent	59%, 82%, 85%
CMY	0.4117, 0.1843, 0.1451
CMYK	0.31, 0.05, 0.00, 0.15
HSL	189°, 48%, 72%
HSV	189°, 31%, 85%
XYZ	47.7881, 56.6577, 74.7373
YIQ	191.7980, -37.7780, -9.1860

# Conversions

## Conversions Part 2

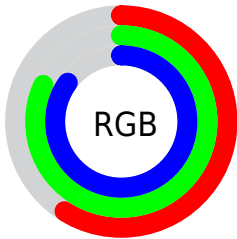
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	150, 181, 218
Decimal	9883866
CIE <sub>Lab</sub>	79.99, -16.15, -10.93
CIE <sub>LCh</sub>	80, 19.500, 214.087
Y <sub>xy</sub>	56.6577, 0.2667, 0.3162
Android (android.graphics.Color)	4288073946 (0xFF96D0DA)
YUV	191.7980, 12.9176, -36.6568
Hunter-Lab	75.2713, -18.3990, -6.1794

# Details

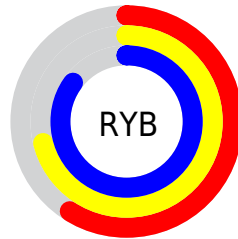
The Yxy color **56.6577, 0.2667, 0.3162** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.2459, 0.3796, 0.3413**, and the grayscale version is **52.5301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8618, 0.2838, 0.3289**, and **28.2423, 0.2551, 0.3134** is the 20% darker color. If you saturate the color by 10%, you get **53.2350, 0.2538, 0.3115**, and if you desaturate by 10%, it is **60.5011, 0.2807, 0.3207**.

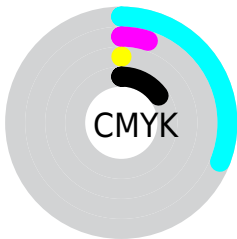
# Distribution



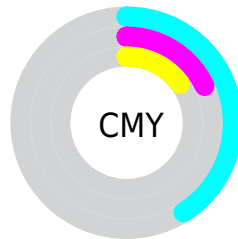
- Red (59%)
- Green (82%)
- Blue (85%)



- Red (59%)
- Yellow (71%)
- Blue (85%)



- Cyan (31%)
- Magenta (5%)
- Yellow (0%)
- Black (15%)




- Cyan (41%)
- Magenta (18%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.6577, 0.2667, 0.3162 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 56.6577, 0.2667, 0.3162 by changing the saturation by 10% instead.





 56.6577, 0.2667,  
0.3162


 56.6577, 0.2667,  
0.3162


412.1654, 0.2886,  
0.3228

 40.7305, 0.2615,  
0.3145


 99.9656, 0.2744,  
0.3186

 28.1085, 0.2551,  
0.3124


 128.1150, 0.2774,  
0.3195

 18.4075, 0.2468,  
0.3095


161.1073, 0.2799,  
0.3203

 11.2429, 0.2358,  
0.3054

199.3268, 0.2821,  
0.3209

 6.2305, 0.2205,  
0.2994

243.1580, 0.2841,  
0.3215

 2.9857, 0.1978,  
0.2894

292.9852, 0.2858,

 1.1243, 0.1587,

0.3220

0.2718

349.1929, 0.2873,  
0.3224

0.0000, 0.0000,  
0.0000

56.6577, 0.2667,  
0.3162

56.6577, 0.2667,  
0.3162

53.2350, 0.2538,  
0.3115

60.5011, 0.2807,  
0.3207

50.2047, 0.2422,  
0.3065

64.7783, 0.2956,  
0.3248

47.5454, 0.2323,  
0.3014

69.5102, 0.3109,  
0.3286

45.2307, 0.2243,  
0.2962


74.7140, 0.3264,  
0.3320

43.2304, 0.2181,  
0.2909

79.6388, 0.3390,  
0.3351

 41.5086, 0.2139,  
0.2857

 81.3762, 0.3385,  
0.3383

 40.1670, 0.2114,  
0.2812

 83.1461, 0.3380,  
0.3415

 84.9487, 0.3376,  
0.3446

 86.7843, 0.3371,  
0.3478

# Harmonies

## Analogous

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



56.6577, 0.2799, 0.3402



56.6577, 0.2667, 0.3162



56.6577, 0.2653, 0.2971

# Triad

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



56.6577, 0.2667, 0.3162



56.6577, 0.3221, 0.2992



56.6577, 0.3499, 0.3719

# Complementary

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



56.6577, 0.2667, 0.3162



42.2459, 0.3796, 0.3413

# 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.



56.6577, 0.3624, 0.3586



56.6577, 0.2667, 0.3162



56.6577, 0.3460, 0.3172

# Square

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



56.6577, 0.2667, 0.3162



56.6577, 0.2964, 0.2884



56.6577, 0.3610, 0.3386



56.6577, 0.3276, 0.3735



# Rectangle

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



56.6577, 0.2667, 0.3162



56.6577, 0.2711, 0.2894



56.6577, 0.3610, 0.3386



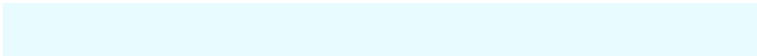
56.6577, 0.3554, 0.3685

# Sweetspot

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



56.6600, 0.2667, 0.3162



93.7724, 0.2988, 0.3256



59.1272, 0.3029, 0.4078



19.8666, 0.2965, 0.3250



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

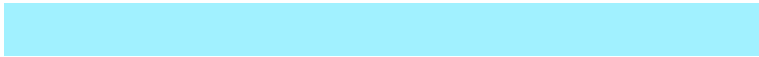


# Same Dimension

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



56.6600, 0.2667, 0.3162



77.7559, 0.2586, 0.3133



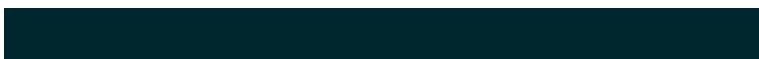
42.1815, 0.2615, 0.2720



14.4866, 0.2982, 0.3255



24.1913, 0.2117, 0.2819



1.6579, 0.2140, 0.2904



# Inverse Universe

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



41.2742, 0.3253, 0.2622



52.9870, 0.3283, 0.2491



55.2736, 0.3677, 0.3799



13.2402, 0.3160, 0.3093



11.0659, 0.3617, 0.1766

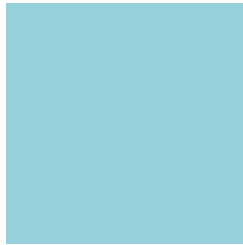


0.7261, 0.3540, 0.1724



# Previews

## White Background



This preview shows how the Yxy color 56.6577, 0.2667, 0.3162 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

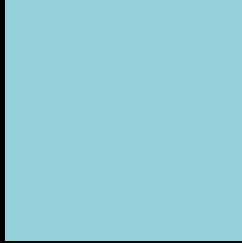
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.6577, 0.2667, 0.3162 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

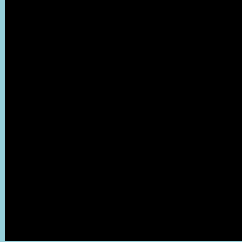
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

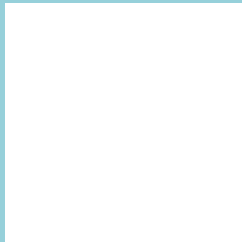
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.6577, 0.2667, 0.3162**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.6577, 0.2667, 0.3162.

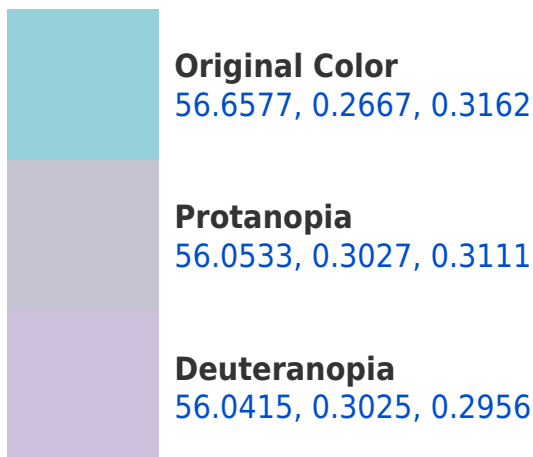


This preview shows how white text looks on a background with the Yxy color 56.6577, 0.2667, 0.3162.

# 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

56.5868, 0.2637, 0.3075

# Trichromacy



## Original Color

56.6577, 0.2667, 0.3162

## Protanomaly

55.8669, 0.2881, 0.3118

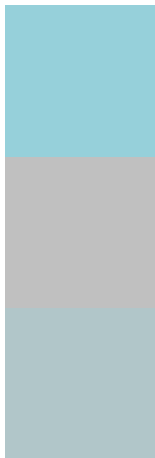
## Deuteranomaly

55.9946, 0.2883, 0.3026

## Tritanomaly

56.4789, 0.2649, 0.3100

# Monochromacy



## Original Color

56.6577, 0.2667, 0.3162

## Achromatopsia

52.7115, 0.3127, 0.3290

## Achromatomaly

53.9523, 0.2945, 0.3252

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  56.6577, 0.2667, 0.3162 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(150, 208, 218)` looks like.

```
.text, #text, p{  
    color:rgb(150, 208, 218)  
}
```

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(150, 208, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 208, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 56.6577, 0.2667, 0.3162 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(150, 208, 218) }
```

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

```
.border{ border-color:rgb(150, 208, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 208, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 208, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 208, 218);  
box-shadow:4px 4px 4px 4px rgb(150, 208,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.6577, 0.2667, 0.3162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 208, 218) }
```

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

```
.background{ background-color: rgb(150,  
208, 218) }
```

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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