

# Converting Colors

$Yxy(55.9567, 0.2665, 0.3053)$

Have a look what the booklet for  
Yxy(55.9567, 0.2665, 0.3053)  
contains.

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# Color

**Yxy(56.1124, 0.2665, 0.3052)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CCDE0
RGB	156, 205, 224
RGB Percent	61%, 80%, 88%
CMY	0.3881, 0.1961, 0.1217
CMYK	0.30, 0.08, 0.00, 0.12
HSL	197°, 52%, 75%
HSV	197°, 30%, 88%
XYZ	48.9972, 56.1124, 78.7449
YIQ	192.5150, -35.3030, -4.4790

# Conversions

## Conversions Part 2

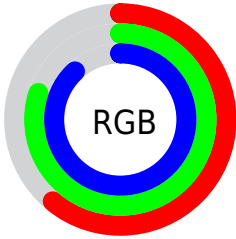
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	156, 184, 224
Decimal	10276320
CIE <sub>Lab</sub>	79.68, -11.49, -14.56
CIE <sub>LCh</sub>	80, 18.550, 231.714
Y <sub>xy</sub>	56.1124, 0.2665, 0.3052
Android (android.graphics.Color)	4288466400 (0xFF9CCDE0)
YUV	192.5150, 15.5221, -32.0237
Hunter-Lab	74.9082, -14.3331, -9.8910

# Details

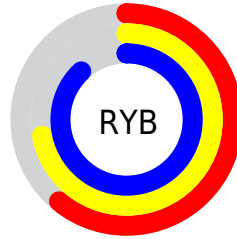
The Yxy color **56.1124, 0.2665, 0.3052** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.9044, 0.3742, 0.3515**, and the grayscale version is **52.9561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **27.8226, 0.2544, 0.2986** is the 20% darker color. If you saturate the color by 10%, you get **51.1497, 0.2522, 0.2960**, and if you desaturate by 10%, it is **61.6111, 0.2815, 0.3138**.

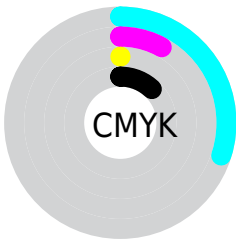
# Distribution



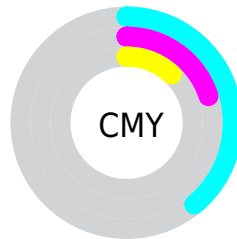
- Red (61%)
- Green (80%)
- Blue (88%)



- Red (61%)
- Yellow (72%)
- Blue (88%)



- Cyan (30%)
- Magenta (8%)
- Yellow (0%)
- Black (12%)




- Cyan (39%)
- Magenta (20%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.1124, 0.2665, 0.3052 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 56.1124, 0.2665, 0.3052 by changing the saturation by 10% instead.





 56.1124, 0.2665,  
0.3052

 56.1124, 0.2665,  
0.3052


410.1150, 0.2885,  
0.3170

 40.2930, 0.2613,  
0.3023

 99.1689, 0.2743,  
0.3095

 27.7671, 0.2549,  
0.2986


 127.1748, 0.2772,  
0.3111

 18.1502, 0.2465,  
0.2937


160.0118, 0.2798,  
0.3124

 11.0579, 0.2355,  
0.2871

198.0641, 0.2820,  
0.3136

 6.1058, 0.2201,  
0.2774

241.7161, 0.2839,  
0.3146

 2.9095, 0.1975,  
0.2623

291.3524, 0.2857,

 1.0847, 0.1606,

0.3155

0.2361

347.3572, 0.2872,  
0.3163

0.0000, 0.0000,  
0.0000

56.1124, 0.2665,  
0.3052

56.1124, 0.2665,  
0.3052

51.1497, 0.2522,  
0.2960

61.6111, 0.2815,  
0.3138

46.6922, 0.2390,  
0.2862

67.6615, 0.2968,  
0.3216

42.7159, 0.2272,  
0.2760

74.2865, 0.3122,  
0.3288

39.1918, 0.2171,  
0.2655

81.5058, 0.3275,  
0.3352

36.0866, 0.2089,  
0.2549

86.7845, 0.3333,  
0.3412

■ 33.3612, 0.2028,  
0.2444

■ 90.4540, 0.3325,  
0.3473

■ 31.0224, 0.1984,  
0.2343

■ 94.2509, 0.3317,  
0.3533

■ 98.1600, 0.3310,  
0.3592

# Harmonies

## Analogous

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



56.1124, 0.2727, 0.3261



56.1124, 0.2665, 0.3052



56.1124, 0.2720, 0.2919

# Triad

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



56.1124, 0.2665, 0.3052



56.1124, 0.3358, 0.3100



56.1124, 0.3365, 0.3723

# Complementary

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



56.1124, 0.2665, 0.3052



48.9044, 0.3742, 0.3515

# 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.



56.1124, 0.3545, 0.3658



56.1124, 0.2665, 0.3052



56.1124, 0.3543, 0.3297

# Square

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



56.1124, 0.2665, 0.3052



56.1124, 0.3114, 0.2952



56.1124, 0.3612, 0.3500



56.1124, 0.3126, 0.3663



# Rectangle

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



56.1124, 0.2665, 0.3052



56.1124, 0.2818, 0.2885



56.1124, 0.3612, 0.3500



56.1124, 0.3435, 0.3715

# Sweetspot

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



56.1146, 0.2665, 0.3052



91.8838, 0.2987, 0.3226



63.4270, 0.2977, 0.3933



19.3990, 0.2965, 0.3215



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

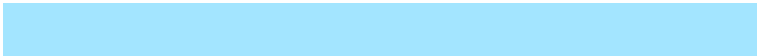


# Same Dimension

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



56.1146, 0.2665, 0.3052



71.2711, 0.2579, 0.2998



41.9136, 0.2616, 0.2616



14.8915, 0.2982, 0.3223



18.2662, 0.1989, 0.2359



1.4147, 0.2033, 0.2520



# Inverse Universe

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



44.0390, 0.3330, 0.2733



53.2033, 0.3381, 0.2623



63.4121, 0.3632, 0.3883



13.8669, 0.3180, 0.3123



10.7520, 0.4065, 0.2013

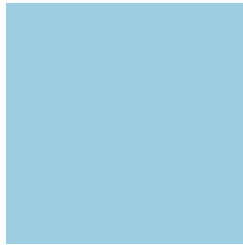


0.7603, 0.3903, 0.1924



# Previews

## White Background



This preview shows how the Yxy color 56.1124, 0.2665, 0.3052 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

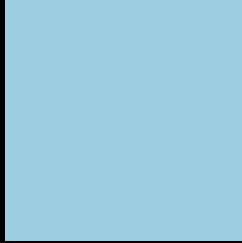
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.1124, 0.2665, 0.3052 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

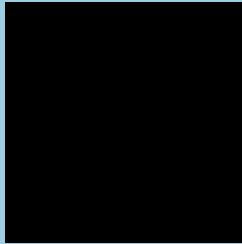
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.1124, 0.2665, 0.3052**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.1124, 0.2665, 0.3052.

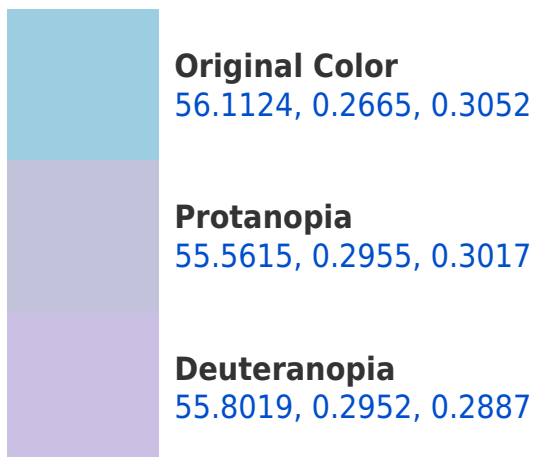


This preview shows how white text looks on a background with the Yxy color 56.1124, 0.2665, 0.3052.

# 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

56.0045, 0.2676, 0.3076

# Trichromacy



## Original Color

56.1124, 0.2665, 0.3052

## Protanomaly

55.7175, 0.2841, 0.3035

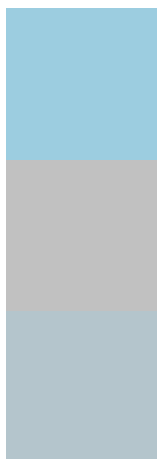
## Deuteranomaly

55.7378, 0.2837, 0.2944

## Tritanomaly

56.0583, 0.2670, 0.3064

# Monochromacy



## Original Color

56.1124, 0.2665, 0.3052

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

53.9954, 0.2947, 0.3202

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.1124, 0.2665, 0.3052 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(156, 205, 224)` looks like.

```
.text, #text, p{  
    color:rgb(156, 205, 224)  
}
```

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(156, 205, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 205, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 56.1124, 0.2665, 0.3052 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(156, 205, 224) }
```

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

```
.border{ border-color:rgb(156, 205, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 205, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 205, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 205, 224);  
box-shadow:4px 4px 4px 4px rgb(156, 205,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.1124, 0.2665, 0.3052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 205, 224) }
```

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

```
.background{ background-color: rgb(156,  
205, 224) }
```

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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