

# Converting Colors

Yxy(56.6314, 0.2687, 0.3122)

Have a look what the booklet for  
Yxy(56.6314, 0.2687, 0.3122)  
contains.

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# Color

**Yxy(56.7615, 0.2684, 0.3126)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BCFDC
RGB	155, 207, 220
RGB Percent	61%, 81%, 86%
CMY	0.3924, 0.1882, 0.1373
CMYK	0.30, 0.06, 0.00, 0.14
HSL	192°, 48%, 74%
HSV	192°, 30%, 86%
XYZ	48.7357, 56.7615, 76.0815
YIQ	192.9340, -35.1650, -6.9810

# Conversions

## Conversions Part 2

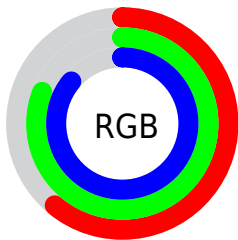
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	155, 184, 220
Decimal	10211292
CIE <sub>Lab</sub>	80.05, -13.79, -11.88
CIE <sub>LCh</sub>	80, 18.203, 220.739
Y <sub>xy</sub>	56.7615, 0.2684, 0.3126
Android (android.graphics.Color)	4288401372 (0xFF9BCFDC)
YUV	192.9340, 13.3435, -33.2681
Hunter-Lab	75.3402, -16.3782, -7.1352

# Details

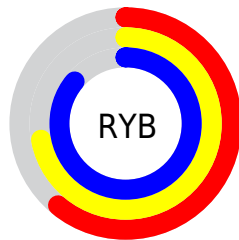
The Yxy color **56.7615, 0.2684, 0.3126** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.5397, 0.3739, 0.3447**, and the grayscale version is **53.2159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **28.2658, 0.2570, 0.3085** is the 20% darker color. If you saturate the color by 10%, you get **52.6891, 0.2548, 0.3062**, and if you desaturate by 10%, it is **61.2938, 0.2829, 0.3186**.

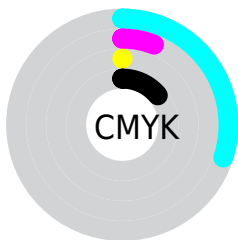
# Distribution



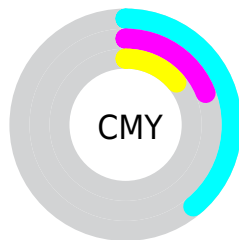
- Red (61%)
- Green (81%)
- Blue (86%)



- Red (61%)
- Yellow (72%)
- Blue (86%)



- Cyan (30%)
- Magenta (6%)
- Yellow (0%)
- Black (14%)



- Cyan (39%)
- Magenta (19%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7615, 0.2684, 0.3126 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 56.7615, 0.2684, 0.3126 by changing the saturation by 10% instead.



■ 56.7615, 0.2684,  
0.3126

■ 56.7615, 0.2684,  
0.3126

■ 412.5550, 0.2895,  
0.3209

■ 40.8138, 0.2634,  
0.3105

■ 100.1171, 0.2758,  
0.3156

■ 28.1736, 0.2572,  
0.3079

■ 128.2938, 0.2787,  
0.3167

■ 18.4566, 0.2493,  
0.3044

■ 161.3156, 0.2811,  
0.3177

■ 11.2783, 0.2387,  
0.2995

■ 199.5669, 0.2833,  
0.3185

■ 6.2543, 0.2239,  
0.2924

■ 243.4321, 0.2851,  
0.3192

■ 3.0003, 0.2020,  
0.2810

■ 293.2956, 0.2868,

■ 1.1319, 0.1658,

0.3198

0.2605

349.5417, 0.2882,  
0.3204

0.0050, 0.0000,  
0.0060

0.0000, 0.0000,  
0.0000

56.7615, 0.2684,  
0.3126

56.7615, 0.2684,  
0.3126

52.6891, 0.2548,  
0.3062

61.2938, 0.2829,  
0.3186

49.0476, 0.2424,  
0.2994

66.2995, 0.2980,  
0.3242

45.8155, 0.2316,  
0.2923

71.8000, 0.3134,  
0.3292

42.9657, 0.2225,  
0.2851

77.8131, 0.3288,  
0.3338

■ 40.4680, 0.2153,  
0.2778

■ 82.4259, 0.3369,  
0.3380

■ 38.2863, 0.2101,  
0.2705

■ 84.8804, 0.3363,  
0.3423

■ 36.3603, 0.2065,  
0.2633

■ 87.3966, 0.3357,  
0.3466

■ 36.2803, 0.2064,  
0.2630

■ 89.9748, 0.3351,  
0.3509

■ 92.6156, 0.3345,  
0.3551

# Harmonies

## Analogous

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



56.7615, 0.2785, 0.3345



56.7615, 0.2684, 0.3126



56.7615, 0.2696, 0.2964

# Triad

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



56.7615, 0.2684, 0.3126



56.7615, 0.3268, 0.3044



56.7615, 0.3434, 0.3704

# Complementary

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



56.7615, 0.2684, 0.3126



45.5397, 0.3739, 0.3447

# 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.



56.7615, 0.3575, 0.3602



56.7615, 0.2684, 0.3126



56.7615, 0.3478, 0.3223

# Square

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



56.7615, 0.2684, 0.3126



56.7615, 0.3026, 0.2925



56.7615, 0.3592, 0.3425



56.7615, 0.3214, 0.3690



# Rectangle

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



56.7615, 0.2684, 0.3126



56.7615, 0.2767, 0.2906



56.7615, 0.3592, 0.3425



56.7615, 0.3493, 0.3681

# Sweetspot

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



56.7638, 0.2684, 0.3126



93.0221, 0.2988, 0.3244



60.9212, 0.3014, 0.3987



19.6807, 0.2965, 0.3236



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

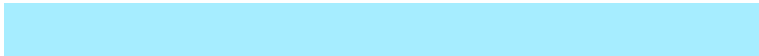


# Same Dimension

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



56.7638, 0.2684, 0.3126



75.9974, 0.2605, 0.3090



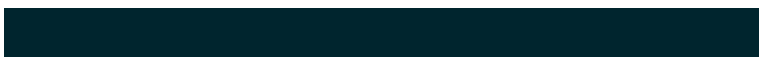
42.9937, 0.2638, 0.2710



14.3659, 0.2982, 0.3242



21.4577, 0.2067, 0.2641



1.5046, 0.2100, 0.2758



# Inverse Universe

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



43.1375, 0.3276, 0.2692



54.5691, 0.3311, 0.2576



58.5981, 0.3635, 0.3808



13.2281, 0.3168, 0.3105



10.7899, 0.3784, 0.1858

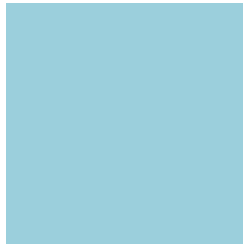


0.7106, 0.3673, 0.1797



# Previews

## White Background



This preview shows how the Yxy color 56.7615, 0.2684, 0.3126 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

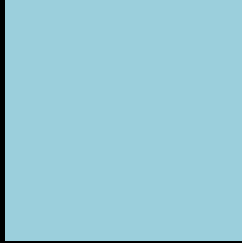
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.7615, 0.2684, 0.3126 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

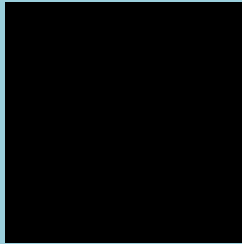
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.7615, 0.2684, 0.3126**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.7615, 0.2684, 0.3126.

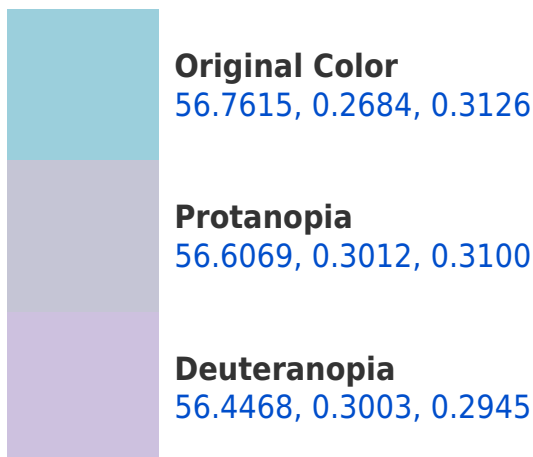


This preview shows how white text looks on a background with the Yxy color 56.7615, 0.2684, 0.3126.

# 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

57.0213, 0.2673, 0.3089

# Trichromacy



## Original Color

56.7615, 0.2684, 0.3126

## Protanomaly

56.6762, 0.2883, 0.3108

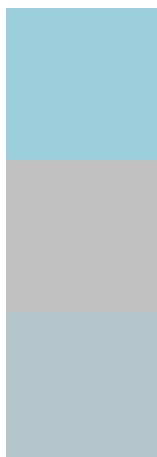
## Deuteranomaly

56.2269, 0.2877, 0.3003

## Tritanomaly

56.9675, 0.2679, 0.3101

# Monochromacy



## Original Color

56.7615, 0.2684, 0.3126

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

54.2837, 0.2947, 0.3227

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.7615, 0.2684, 0.3126 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(155, 207, 220)` looks like.

```
.text, #text, p{  
    color:rgb(155, 207, 220)  
}
```

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(155, 207, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 207, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 56.7615, 0.2684, 0.3126 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(155, 207, 220) }
```

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

```
.border{ border-color:rgb(155, 207, 220) }
```

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

Here you see how a box with a 4 pixel rgb(155, 207, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 207, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 207, 220);  
box-shadow:4px 4px 4px 4px rgb(155, 207,  
220) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.7615, 0.2684, 0.3126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 207, 220) }
```

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

```
.background{ background-color: rgb(155,  
207, 220) }
```

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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