

Converting Colors

$Yxy(56.7803, 0.2760, 0.3087)$

Have a look what the booklet for
Yxy(56.7803, 0.2760, 0.3087)
contains.

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Color

Yxy(56.7310, 0.2757, 0.3080)

Conversions

Conversions Part 1

Format	Color
Hex	A8CCDD
RGB	168, 204, 221
RGB Percent	66%, 80%, 87%
CMY	0.3414, 0.1999, 0.1333
CMYK	0.24, 0.08, 0.00, 0.13
HSL	199°, 44%, 76%
HSV	199°, 24%, 87%
XYZ	50.7816, 56.7310, 76.6789
YIQ	195.1740, -26.9130, -2.3450

Conversions

Conversions Part 2

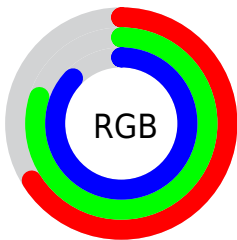
Format	Color
RYB	168, 189, 221
Decimal	11062493
CIELab	80.03, -8.19, -12.37
CIELCh	80, 14.840, 236.483
Yxy	56.7310, 0.2757, 0.3080
Android (android.graphics.Color)	4289252573 (0xFFA8CCDD)
YUV	195.1740, 12.7322, -23.8316
Hunter-Lab	75.3200, -11.4632, -7.6358

Details

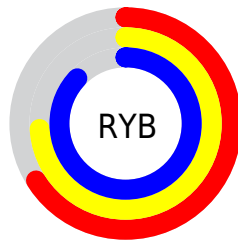
The Yxy color **56.7310, 0.2757, 0.3080** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.8591, 0.3580, 0.3491**, and the grayscale version is **54.6114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **28.2107, 0.2665, 0.3024** is the 20% darker color. If you saturate the color by 10%, you get **51.2253, 0.2607, 0.2978**, and if you desaturate by 10%, it is **62.8061, 0.2911, 0.3173**.

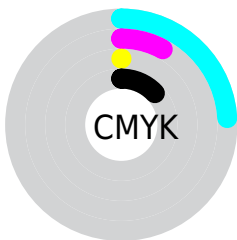
Distribution



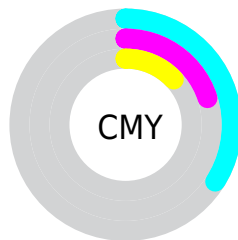
- Red (66%)
- Green (80%)
- Blue (87%)



- Red (66%)
- Yellow (74%)
- Blue (87%)



- Cyan (24%)
- Magenta (8%)
- Yellow (0%)
- Black (13%)



- Cyan (34%)
- Magenta (20%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7310, 0.2757, 0.3080 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 56.7310, 0.2757, 0.3080 by changing the saturation by 10% instead.

■ 56.7310, 0.2757,
0.3080

■ 56.7310, 0.2757,
0.3080

■ 412.4406, 0.2934,
0.3183

■ 40.7893, 0.2715,
0.3055

■ 100.0726, 0.2819,
0.3117

■ 28.1545, 0.2663,
0.3023

■ 128.2412, 0.2843,
0.3131

■ 18.4422, 0.2596,
0.2981

■ 161.2544, 0.2864,
0.3143

■ 11.2679, 0.2506,
0.2924

■ 199.4963, 0.2882,
0.3153

■ 6.2473, 0.2380,
0.2842

■ 243.3516, 0.2897,
0.3162

■ 2.9960, 0.2192,
0.2713

■ 293.2044, 0.2911,

■ 1.1297, 0.1884,

0.3170

0.2489

349.4393, 0.2923,
0.3177

0.0031, 0.0000,
0.0036

0.0000, 0.0000,
0.0000

56.7310, 0.2757,
0.3080

56.7310, 0.2757,
0.3080

51.2253, 0.2607,
0.2978

62.8061, 0.2911,
0.3173

46.2593, 0.2463,
0.2869

69.4650, 0.3066,
0.3258

41.8105, 0.2331,
0.2754

76.7301, 0.3218,
0.3335

37.8519, 0.2213,
0.2634

84.3662, 0.3358,
0.3403

■ 34.3534, 0.2112,
0.2512

■ 88.4349, 0.3348,
0.3472

■ 31.2801, 0.2032,
0.2389

■ 92.6657, 0.3339,
0.3540

■ 28.5905, 0.1972,
0.2268

■ 97.0604, 0.3329,
0.3607

■ 27.1236, 0.1943,
0.2196

■ 98.0004, 0.3327,
0.3621

Harmonies

Analogous

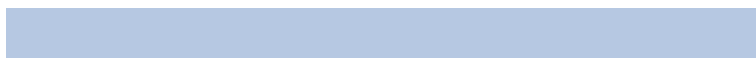
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.7310, 0.2792, 0.3240



56.7310, 0.2757, 0.3080



56.7310, 0.2817, 0.2983

Triad

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



56.7310, 0.2757, 0.3080



56.7310, 0.3339, 0.3161



56.7310, 0.3290, 0.3633

Complementary

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



56.7310, 0.2757, 0.3080



52.8591, 0.3580, 0.3491

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.



56.7310, 0.3443, 0.3599



56.7310, 0.2757, 0.3080



56.7310, 0.3473, 0.3324

Square

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



56.7310, 0.2757, 0.3080



56.7310, 0.3149, 0.3033



56.7310, 0.3512, 0.3484



56.7310, 0.3096, 0.3568

Rectangle

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



56.7310, 0.2757, 0.3080



56.7310, 0.2904, 0.2964



56.7310, 0.3512, 0.3484



56.7310, 0.3348, 0.3632

Sweetspot

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



56.7333, 0.2757, 0.3080



93.1801, 0.3019, 0.3233



63.5221, 0.2991, 0.3746



19.8227, 0.3009, 0.3228



0.0000, 0.0000, 0.0000



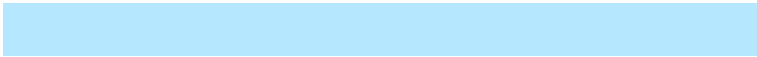
21.4041, 0.3127, 0.3290

Same Dimension

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



56.7333, 0.2757, 0.3080



74.3906, 0.2678, 0.3028



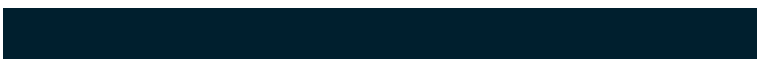
45.2453, 0.2729, 0.2741



14.0904, 0.2982, 0.3213



15.9695, 0.1949, 0.2215



1.1876, 0.2003, 0.2411

Inverse Universe

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



47.7140, 0.3298, 0.2876



60.1167, 0.3345, 0.2783



64.9201, 0.3512, 0.3785



13.2002, 0.3186, 0.3132



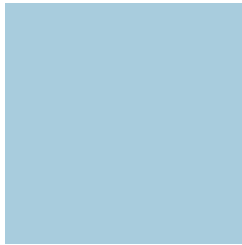
10.2359, 0.4216, 0.2096



0.6786, 0.4012, 0.1984

Previews

White Background



This preview shows how the Yxy color 56.7310, 0.2757, 0.3080 looks on a white background.

Color Contrast Check

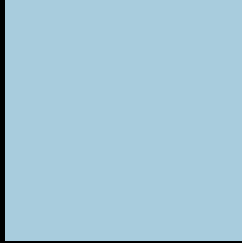
Large Text (above 18pt) WCAG AA × Fail

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 56.7310, 0.2757, 0.3080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

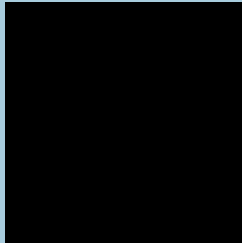
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.7310, 0.2757, 0.3080

Background



This preview shows how black text looks on a background with the Yxy color 56.7310, 0.2757, 0.3080.

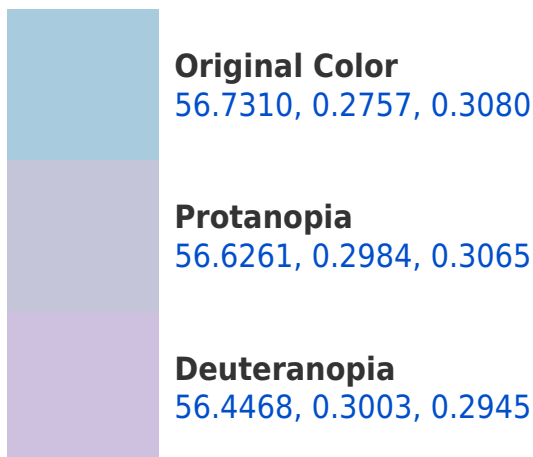


This preview shows how white text looks on a background with the Yxy color 56.7310, 0.2757, 0.3080.

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

56.6779, 0.2763, 0.3092

Trichromacy



Original Color

56.7310, 0.2757, 0.3080

Protanomaly

56.8096, 0.2898, 0.3073

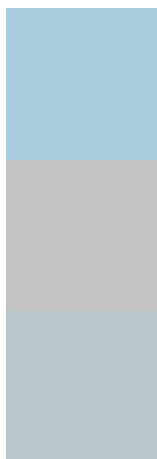
Deuteranomaly

56.4129, 0.2913, 0.2994

Tritanomaly

56.6779, 0.2763, 0.3092

Monochromacy



Original Color

56.7310, 0.2757, 0.3080

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

55.0621, 0.2984, 0.3216

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7310, 0.2757, 0.3080 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(168, 204, 221)` looks like.

```
.text, #text, p{  
    color:rgb(168, 204, 221)  
}
```

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(168, 204, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 204, 221) }
```

Border

The CSS property to change the border of an element to Yxy 56.7310, 0.2757, 0.3080 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(168, 204, 221) }
```

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

```
.border{ border-color:rgb(168, 204, 221) }
```

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

Here you see how a box with a 4 pixel rgb(168, 204, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 204, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 204, 221);  
box-shadow:4px 4px 4px 4px rgb(168, 204,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7310, 0.2757, 0.3080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 204, 221) }
```

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

```
.background{ background-color: rgb(168,  
204, 221) }
```

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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