

Converting Colors

Yxy(56.7477, 0.2831, 0.3122)

Have a look what the booklet for
Yxy(56.7477, 0.2831, 0.3122)
contains.

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Color

Yxy(56.8356, 0.2828, 0.3118)

Conversions

Conversions Part 1

Format	Color
Hex	AFCBD9
RGB	175, 203, 217
RGB Percent	69%, 80%, 85%
CMY	0.3139, 0.2038, 0.1490
CMYK	0.19, 0.06, 0.00, 0.15
HSL	200°, 36%, 77%
HSV	200°, 19%, 85%
XYZ	51.5494, 56.8356, 73.8972
YIQ	196.2240, -21.1820, -1.5820

Conversions

Conversions Part 2

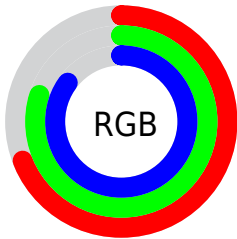
Format	Color
RYB	175, 192, 217
Decimal	11520985
CIELab	80.09, -6.41, -10.09
CIELCh	80, 11.958, 237.563
Yxy	56.8356, 0.2828, 0.3118
Android (android.graphics.Color)	4289711065 (0xFFAFCBD9)
YUV	196.2240, 10.2426, -18.6134
Hunter-Lab	75.3894, -9.8775, -5.3439

Details

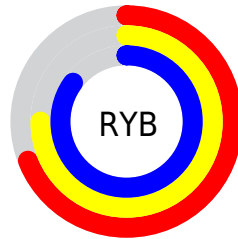
The Yxy color **56.8356, 0.2828, 0.3118** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.2065, 0.3476, 0.3456**, and the grayscale version is **55.2857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7289, 0.2982, 0.3290**, and **28.2411, 0.2754, 0.3075** is the 20% darker color. If you saturate the color by 10%, you get **51.1980, 0.2675, 0.3016**, and if you desaturate by 10%, it is **63.0398, 0.2983, 0.3211**.

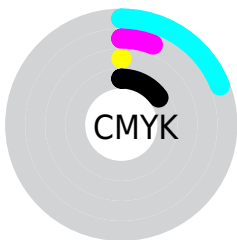
Distribution



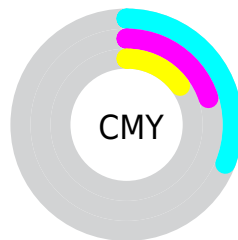
- Red (69%)
- Green (80%)
- Blue (85%)



- Red (69%)
- Yellow (75%)
- Blue (85%)



- Cyan (19%)
- Magenta (6%)
- Yellow (0%)
- Black (15%)



- Cyan (31%)
- Magenta (20%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.8356, 0.2828, 0.3118 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 56.8356, 0.2828, 0.3118 by changing the saturation by 10% instead.

■ 56.8356, 0.2828,
0.3118

■ 56.8356, 0.2828,
0.3118

412.8330, 0.2971,
0.3202

■ 40.8733, 0.2794,
0.3097

■ 100.2253, 0.2879,
0.3148

■ 28.2201, 0.2751,
0.3071

128.4214, 0.2898,
0.3160

■ 18.4916, 0.2696,
0.3037

161.4642, 0.2915,
0.3169

■ 11.3035, 0.2623,
0.2991

199.7382, 0.2929,
0.3178

■ 6.2714, 0.2519,
0.2924

243.6276, 0.2942,
0.3185

■ 3.0108, 0.2362,
0.2819

293.5170, 0.2953,

■ 1.1374, 0.2100,

0.3192

0.2635

349.7906, 0.2963,
0.3197

0.0096, 0.0000,
0.0133

0.0000, 0.0000,
0.0000

56.8356, 0.2828,
0.3118

56.8356, 0.2828,
0.3118

51.1980, 0.2675,
0.3016

63.0398, 0.2983,
0.3211

46.0986, 0.2527,
0.2906

69.8238, 0.3137,
0.3295

41.5168, 0.2388,
0.2789

77.2086, 0.3287,
0.3370

37.4277, 0.2261,
0.2667

83.9109, 0.3385,
0.3439

■ 33.8035, 0.2150,
0.2540

■ 88.0527, 0.3374,
0.3510

■ 30.6131, 0.2058,
0.2412

■ 92.3630, 0.3364,
0.3579

■ 27.8200, 0.1987,
0.2285

■ 96.8439, 0.3354,
0.3647

■ 25.3649, 0.1934,
0.2160

■ 97.7897, 0.3352,
0.3661

■ 25.2195, 0.1931,
0.2152

Harmonies

Analogous

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



56.8356, 0.2854, 0.3246



56.8356, 0.2828, 0.3118



56.8356, 0.2879, 0.3041

Triad

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



56.8356, 0.2828, 0.3118



56.8356, 0.3303, 0.3191



56.8356, 0.3254, 0.3564

Complementary

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



56.8356, 0.2828, 0.3118



54.2065, 0.3476, 0.3456

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.



56.8356, 0.3378, 0.3541



56.8356, 0.2828, 0.3118



56.8356, 0.3408, 0.3324

Square

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



56.8356, 0.2828, 0.3118



56.8356, 0.3151, 0.3085



56.8356, 0.3436, 0.3452



56.8356, 0.3097, 0.3509

Rectangle

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



56.8356, 0.2828, 0.3118



56.8356, 0.2952, 0.3026



56.8356, 0.3436, 0.3452



56.8356, 0.3301, 0.3565

Sweetspot

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



56.8379, 0.2828, 0.3118



94.0106, 0.3034, 0.3240



62.3745, 0.3017, 0.3648



19.9866, 0.3024, 0.3234



0.0000, 0.0000, 0.0000



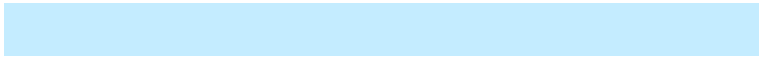
21.4041, 0.3127, 0.3290

Same Dimension

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



56.8379, 0.2828, 0.3118



78.7085, 0.2769, 0.3080



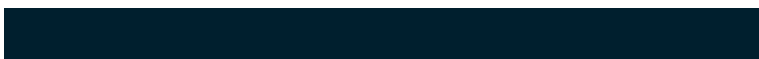
47.8413, 0.2813, 0.2860



14.0622, 0.2982, 0.3210



15.4682, 0.1936, 0.2171



1.1579, 0.1993, 0.2374

Inverse Universe

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



49.7021, 0.3264, 0.2965



66.9253, 0.3296, 0.2898



63.5871, 0.3433, 0.3687



13.1974, 0.3188, 0.3135



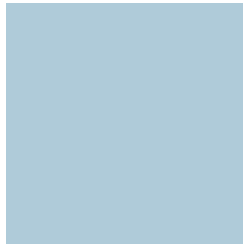
10.1853, 0.4264, 0.2123



0.6756, 0.4049, 0.2004

Previews

White Background



This preview shows how the Yxy color 56.8356, 0.2828, 0.3118 looks on a white background.

Color Contrast Check

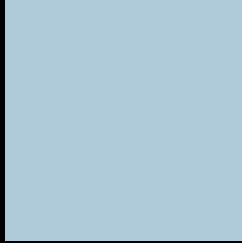
Large Text (above 18pt) WCAG AA × Fail

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 56.8356, 0.2828, 0.3118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

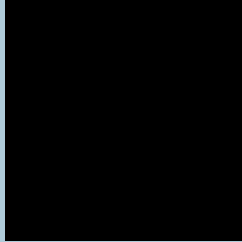
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

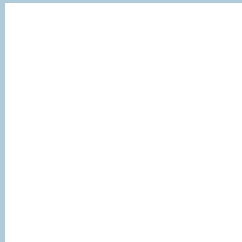
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.8356, 0.2828, 0.3118

Background



This preview shows how black text looks on a background with the Yxy color 56.8356, 0.2828, 0.3118.



This preview shows how white text looks on a background with the Yxy color 56.8356, 0.2828, 0.3118.

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

56.8356, 0.2828, 0.3118

Protanopia

56.6069, 0.3012, 0.3100

Deuteranopia

56.6643, 0.3055, 0.2991



Tritanopia

56.9403, 0.2816, 0.3094

Trichromacy



Original Color

56.8356, 0.2828, 0.3118

Protanomaly

56.5207, 0.2946, 0.3109

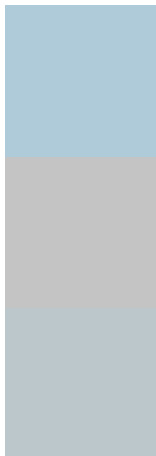
Deuteranomaly

56.7302, 0.2970, 0.3042

Tritanomaly

56.8878, 0.2822, 0.3106

Monochromacy



Original Color

56.8356, 0.2828, 0.3118

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

55.8978, 0.3007, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.8356, 0.2828, 0.3118 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(175, 203, 217)` looks like.

```
.text, #text, p{  
    color:rgb(175, 203, 217)  
}
```

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(175, 203, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 203, 217) }
```

Border

The CSS property to change the border of an element to Yxy 56.8356, 0.2828, 0.3118 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(175, 203, 217) }
```

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

```
.border{ border-color:rgb(175, 203, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 203, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 203, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 203, 217);  
box-shadow:4px 4px 4px 4px rgb(175, 203,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 56.8356, 0.2828, 0.3118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 203, 217) }
```

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

```
.background{ background-color: rgb(175,  
203, 217) }
```

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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