

Converting Colors

$Y_{xy}(56.8205, 0.2836, 0.3083)$

Have a look what the booklet for
Yxy(56.8205, 0.2836, 0.3083)
contains.

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Color

Yxy(56.8205, 0.2836, 0.3083)

Conversions

Conversions Part 1

Format	Color
Hex	B2CADB
RGB	178, 202, 219
RGB Percent	70%, 79%, 86%
CMY	0.3019, 0.2078, 0.1413
CMYK	0.19, 0.08, 0.00, 0.14
HSL	205°, 36%, 78%
HSV	205°, 19%, 86%
XYZ	52.2682, 56.8205, 75.2139
YIQ	196.7620, -19.7610, 0.1990

Conversions

Conversions Part 2

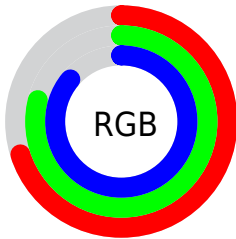
Format	Color
R _Y B	178, 193, 219
Decimal	11717339
CIE Lab	80.08, -4.49, -11.14
CIE LCh	80, 12.016, 248.053
Yxy	56.8205, 0.2836, 0.3083
Android (android.graphics.Color)	4289907419 (0xFFB2CADB)
YUV	196.7620, 10.9633, -16.4543
Hunter-Lab	75.3794, -8.1416, -6.3943

Details

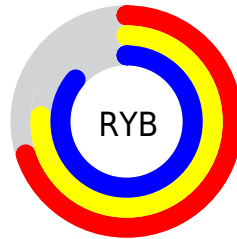
The Yxy color **56.8205, 0.2836, 0.3083** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.3029, 0.3455, 0.3488**, and the grayscale version is **55.6284, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **28.2201, 0.2763, 0.3029** is the 20% darker color. If you saturate the color by 10%, you get **50.3001, 0.2678, 0.2956**, and if you desaturate by 10%, it is **64.0097, 0.2993, 0.3199**.

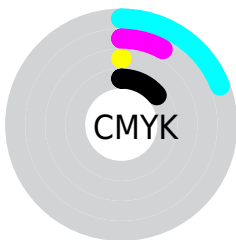
Distribution



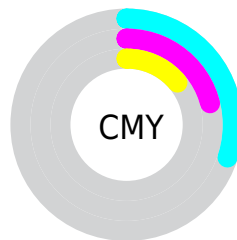
- Red (70%)
- Green (79%)
- Blue (86%)



- Red (70%)
- Yellow (76%)
- Blue (86%)



- Cyan (19%)
- Magenta (8%)
- Yellow (0%)
- Black (14%)



- Cyan (30%)
- Magenta (21%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.8205, 0.2836, 0.3083 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 56.8205, 0.2836, 0.3083 by changing the saturation by 10% instead.

■ 56.8205, 0.2836,
0.3083

■ 56.8205, 0.2836,
0.3083

412.7764, 0.2976,
0.3184

■ 40.8611, 0.2803,
0.3059

■ 100.2032, 0.2885,
0.3119

■ 28.2106, 0.2761,
0.3028

128.3954, 0.2904,
0.3133

■ 18.4845, 0.2708,
0.2988

161.4339, 0.2921,
0.3144

■ 11.2984, 0.2636,
0.2934

199.7033, 0.2934,
0.3154

■ 6.2679, 0.2534,
0.2856

243.5878, 0.2947,
0.3163

■ 3.0087, 0.2381,
0.2735

293.4719, 0.2957,

■ 1.1363, 0.2126,

0.3171

0.2527

349.7399, 0.2967,
0.3178

0.0087, 0.0000,
0.0109

0.0000, 0.0000,
0.0000

56.8205, 0.2836,
0.3083

56.8205, 0.2836,
0.3083

50.3001, 0.2678,
0.2956

64.0097, 0.2993,
0.3199

44.4176, 0.2522,
0.2817

71.8830, 0.3147,
0.3303

39.1498, 0.2372,
0.2669

80.4641, 0.3295,
0.3396

34.4690, 0.2233,
0.2514

87.7037, 0.3363,
0.3482

■ 30.3449, 0.2109,
0.2353

■ 93.1328, 0.3350,
0.3570

■ 26.7436, 0.2003,
0.2191

■ 97.8933, 0.3340,
0.3641

■ 23.6254, 0.1920,
0.2031

■ 20.9327, 0.1857,
0.1876

■ 20.6044, 0.1849,
0.1856

Harmonies

Analogous

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



56.8205, 0.2835, 0.3197



56.8205, 0.2836, 0.3083



56.8205, 0.2913, 0.3028

Triad

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



56.8205, 0.2836, 0.3083



56.8205, 0.3348, 0.3235



56.8205, 0.3201, 0.3555

Complementary

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



56.8205, 0.2836, 0.3083



57.3029, 0.3455, 0.3488

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.



56.8205, 0.3342, 0.3559



56.8205, 0.2836, 0.3083



56.8205, 0.3429, 0.3371

Square

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



56.8205, 0.2836, 0.3083



56.8205, 0.3207, 0.3116



56.8205, 0.3426, 0.3490



56.8205, 0.3043, 0.3474

Rectangle

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



56.8205, 0.2836, 0.3083



56.8205, 0.2998, 0.3029



56.8205, 0.3426, 0.3490



56.8205, 0.3252, 0.3565

Sweetspot

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



56.8228, 0.2836, 0.3083



93.2326, 0.3034, 0.3227



64.0325, 0.2999, 0.3591



19.8026, 0.3024, 0.3220



0.0000, 0.0000, 0.0000



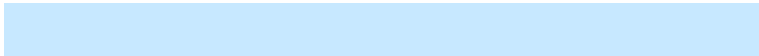
21.4041, 0.3127, 0.3290

Same Dimension

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



56.8228, 0.2836, 0.3083



76.9178, 0.2781, 0.3040



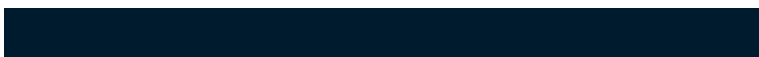
48.0866, 0.2822, 0.2833



13.8776, 0.2982, 0.3191



12.4410, 0.1855, 0.1879



0.9745, 0.1926, 0.2132

Inverse Universe

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



51.1718, 0.3286, 0.3014



67.8725, 0.3322, 0.2960



66.8128, 0.3415, 0.3709



13.1788, 0.3201, 0.3154



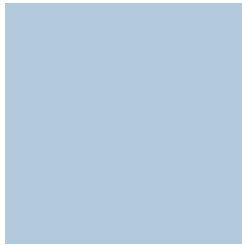
9.8797, 0.4592, 0.2303



0.6571, 0.4306, 0.2146

Previews

White Background



This preview shows how the Yxy color 56.8205, 0.2836, 0.3083 looks on a white background.

Color Contrast Check

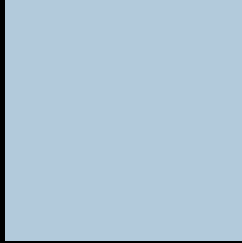
Large Text (above 18pt) WCAG AA × Fail

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 56.8205, 0.2836, 0.3083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

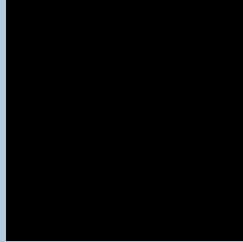
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

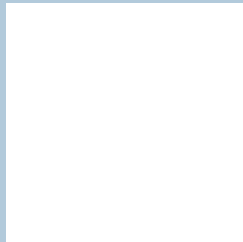
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.8205, 0.2836, 0.3083

Background



This preview shows how black text looks on a background with the Yxy color 56.8205, 0.2836, 0.3083.



This preview shows how white text looks on a background with the Yxy color 56.8205, 0.2836, 0.3083.

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

56.8205, 0.2836, 0.3083

Protanopia

56.7607, 0.2991, 0.3066

Deuteranopia

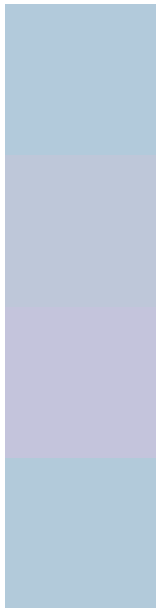
56.6258, 0.3033, 0.2968



Tritanopia

56.7680, 0.2842, 0.3095

Trichromacy



Original Color

56.8205, 0.2836, 0.3083

Protanomaly

56.8038, 0.2933, 0.3075

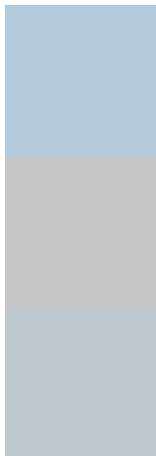
Deuteranomaly

56.3829, 0.2956, 0.3007

Tritanomaly

56.7680, 0.2842, 0.3095

Monochromacy



Original Color

56.8205, 0.2836, 0.3083

Achromatopsia

55.8340, 0.3127, 0.3290

Achromatomaly

56.2018, 0.3015, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.8205, 0.2836, 0.3083 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(178, 202, 219)` looks like.

```
.text, #text, p{  
    color:rgb(178, 202, 219)  
}
```

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(178, 202, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 202, 219) }
```

Border

The CSS property to change the border of an element to Yxy 56.8205, 0.2836, 0.3083 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(178, 202, 219) }
```

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

```
.border{ border-color:rgb(178, 202, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 202, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 202, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 202, 219);  
box-shadow:4px 4px 4px 4px rgb(178, 202,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 56.8205, 0.2836, 0.3083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 202, 219) }
```

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

```
.background{ background-color: rgb(178,  
202, 219) }
```

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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