

Converting Colors

$Yxy(56.5916, 0.2877, 0.3068)$

Have a look what the booklet for
Yxy(56.5916, 0.2877, 0.3068)
contains.

Yxy(56.5609, 0.2883, 0.3073)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(56.5609, 0.2883, 0.3073)

Conversions

Conversions Part 1

Format	Color
Hex	B8C8DA
RGB	184, 200, 218
RGB Percent	72%, 78%, 85%
CMY	0.2786, 0.2156, 0.1452
CMYK	0.16, 0.08, 0.00, 0.15
HSL	212°, 31%, 79%
HSV	212°, 16%, 85%
XYZ	53.0638, 56.5609, 74.4329
YIQ	197.2680, -15.3140, 2.2060

Conversions

Conversions Part 2

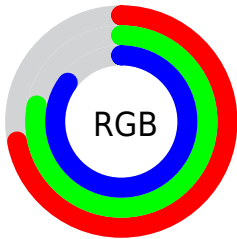
Format	Color
RYB	184, 195, 218
Decimal	12110042
CIELab	79.93, -1.79, -10.78
CIELCh	80, 10.931, 260.568
Yxy	56.5609, 0.2883, 0.3073
Android (android.graphics.Color)	4290300122 (0xFFB8C8DA)
YUV	197.2680, 10.2209, -11.6360
Hunter-Lab	75.2070, -5.6679, -6.0349

Details

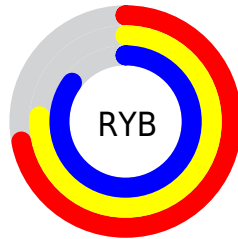
The Yxy color **56.5609, 0.2883, 0.3073** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.5545, 0.3388, 0.3498**, and the grayscale version is **55.9448, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **28.0274, 0.2824, 0.3015** is the 20% darker color. If you saturate the color by 10%, you get **48.9475, 0.2719, 0.2914**, and if you desaturate by 10%, it is **64.9945, 0.3041, 0.3216**.

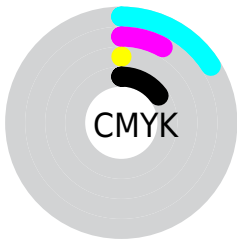
Distribution



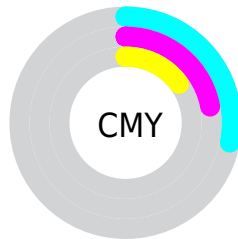
- Red (72%)
- Green (78%)
- Blue (85%)



- Red (72%)
- Yellow (76%)
- Blue (85%)



- Cyan (16%)
- Magenta (8%)
- Yellow (0%)
- Black (15%)



- Cyan (28%)
- Magenta (22%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.5609, 0.2883, 0.3073 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 56.5609, 0.2883, 0.3073 by changing the saturation by 10% instead.

■ 56.5609, 0.2883,
0.3073

■ 56.5609, 0.2883,
0.3073

411.8019, 0.3000,
0.3178

■ 40.6528, 0.2855,
0.3048

■ 99.8242, 0.2925,
0.3110

■ 28.0479, 0.2820,
0.3016

127.9482, 0.2941,
0.3125

■ 18.3618, 0.2774,
0.2975

160.9130, 0.2954,
0.3137

■ 11.2100, 0.2713,
0.2919

199.1029, 0.2966,
0.3147

■ 6.2083, 0.2626,
0.2839

242.9023, 0.2976,
0.3157

■ 2.9721, 0.2494,
0.2717

292.6957, 0.2985,

■ 1.1172, 0.2271,

0.3165

0.2508

348.8674, 0.2993,
0.3172

0.0000, 0.0000,
0.0000

56.5609, 0.2883,
0.3073

56.5609, 0.2883,
0.3073

48.9475, 0.2719,
0.2914

64.9945, 0.3041,
0.3216

42.1195, 0.2553,
0.2740

74.2674, 0.3192,
0.3344

36.0498, 0.2389,
0.2551

84.4068, 0.3335,
0.3457

30.7068, 0.2231,
0.2353

92.2465, 0.3358,
0.3567

26.0561, 0.2085,
0.2147

97.8407, 0.3346,
0.3651

■ 22.0599, 0.1957,
0.1940

■ 18.6754, 0.1851,
0.1738

■ 15.8516, 0.1771,
0.1548

■ 14.7558, 0.1741,
0.1468

Harmonies

Analogous

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



56.5609, 0.2852, 0.3157



56.5609, 0.2883, 0.3073



56.5609, 0.2978, 0.3048

Triad

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



56.5609, 0.2883, 0.3073



56.5609, 0.3367, 0.3292



56.5609, 0.3134, 0.3508

Complementary

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



56.5609, 0.2883, 0.3073



60.5545, 0.3388, 0.3498

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.



56.5609, 0.3274, 0.3542



56.5609, 0.2883, 0.3073



56.5609, 0.3411, 0.3413

Square

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



56.5609, 0.2883, 0.3073



56.5609, 0.3258, 0.3173



56.5609, 0.3376, 0.3506



56.5609, 0.2995, 0.3411

Rectangle

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



56.5609, 0.2883, 0.3073



56.5609, 0.3067, 0.3066



56.5609, 0.3376, 0.3506



56.5609, 0.3182, 0.3527

Sweetspot

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



56.5632, 0.2883, 0.3073



93.4444, 0.3050, 0.3224



64.5561, 0.2994, 0.3488



19.8090, 0.3039, 0.3214



0.0000, 0.0000, 0.0000



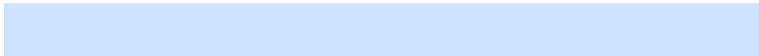
21.4041, 0.3127, 0.3290

Same Dimension

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



56.5632, 0.2883, 0.3073



76.7020, 0.2825, 0.3018



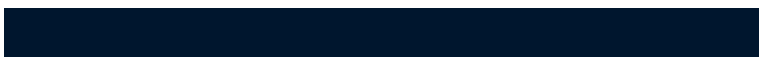
49.5733, 0.2879, 0.2874



13.6266, 0.2982, 0.3163



9.0544, 0.1749, 0.1495



0.7583, 0.1834, 0.1801

Inverse Universe

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



53.3316, 0.3287, 0.3105



71.3495, 0.3331, 0.3061



68.4033, 0.3356, 0.3676



13.1534, 0.3218, 0.3180



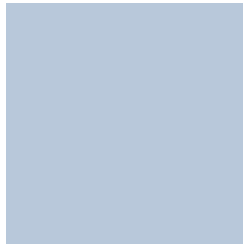
9.5378, 0.5066, 0.2564



0.6352, 0.4684, 0.2354

Previews

White Background



This preview shows how the Yxy color 56.5609, 0.2883, 0.3073 looks on a white background.

Color Contrast Check

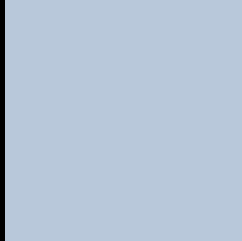
Large Text (above 18pt) WCAG AA × Fail

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 56.5609, 0.2883, 0.3073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

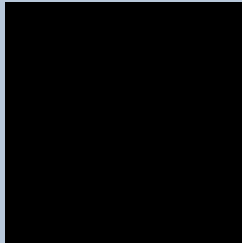
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

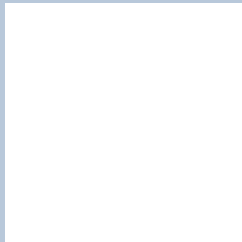
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.5609, 0.2883, 0.3073

Background



This preview shows how black text looks on a background with the Yxy color 56.5609, 0.2883, 0.3073.



This preview shows how white text looks on a background with the Yxy color 56.5609, 0.2883, 0.3073.

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

56.5609, 0.2883, 0.3073

Protanopia

56.6261, 0.2984, 0.3065

Deuteranopia

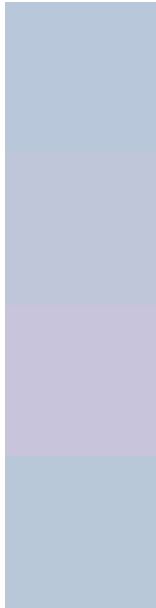
56.5198, 0.3047, 0.2990



Tritanopia

56.4568, 0.2896, 0.3096

Trichromacy



Original Color

56.5609, 0.2883, 0.3073

Protanomaly

56.6044, 0.2947, 0.3064

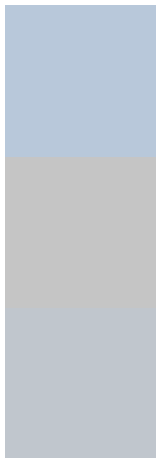
Deuteranomaly

56.7364, 0.2986, 0.3021

Tritanomaly

56.5087, 0.2890, 0.3084

Monochromacy



Original Color

56.5609, 0.2883, 0.3073

Achromatopsia

55.8340, 0.3127, 0.3290

Achromatomaly

56.0024, 0.3030, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.5609, 0.2883, 0.3073 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(184, 200, 218)` looks like.

```
.text, #text, p{  
    color:rgb(184, 200, 218)  
}
```

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(184, 200, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 200, 218) }
```

Border

The CSS property to change the border of an element to Yxy 56.5609, 0.2883, 0.3073 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(184, 200, 218) }
```

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

```
.border{ border-color:rgb(184, 200, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 200, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 200, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 200, 218);  
box-shadow:4px 4px 4px 4px rgb(184, 200,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 56.5609, 0.2883, 0.3073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 200, 218) }
```

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

```
.background{ background-color: rgb(184,  
200, 218) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor