

Converting Colors

$Yxy(56.7313, 0.2931, 0.3137)$

Have a look what the booklet for
Yxy(56.7313, 0.2931, 0.3137)
contains.

Yxy(56.5518, 0.2931, 0.3132)	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(56.5518, 0.2931, 0.3132)

Conversions

Conversions Part 1

Format	Color
Hex	BAC8D5
RGB	186, 200, 213
RGB Percent	73%, 78%, 84%
CMY	0.2704, 0.2157, 0.1646
CMYK	0.13, 0.06, 0.00, 0.16
HSL	209°, 24%, 78%
HSV	209°, 13%, 84%
XYZ	52.9225, 56.5518, 71.0870
YIQ	197.2960, -12.5170, 1.0750

Conversions

Conversions Part 2

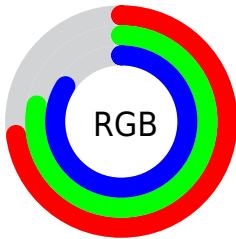
Format	Color
R _Y B	186, 195, 213
Decimal	12241109
CIE Lab	79.93, -2.13, -8.11
CIE LCh	80, 8.388, 255.255
Yxy	56.5518, 0.2931, 0.3132
Android (android.graphics.Color)	4290431189 (0xFFBAC8D5)
YUV	197.2960, 7.7421, -9.9066
Hunter-Lab	75.2009, -5.9826, -3.4058

Details

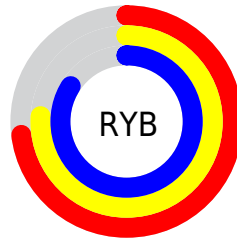
The Yxy color **56.5518, 0.2931, 0.3132** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.5712, 0.3336, 0.3443**, and the grayscale version is **55.9861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **28.0129, 0.2886, 0.3095** is the 20% darker color. If you saturate the color by 10%, you get **49.4772, 0.2771, 0.2991**, and if you desaturate by 10%, it is **64.3493, 0.3087, 0.3259**.

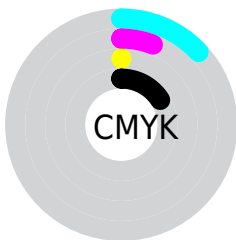
Distribution



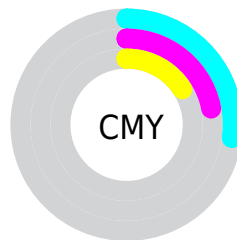
- Red (73%)
- Green (78%)
- Blue (84%)



- Red (73%)
- Yellow (76%)
- Blue (84%)



- Cyan (13%)
- Magenta (6%)
- Yellow (0%)
- Black (16%)



- Cyan (27%)
- Magenta (22%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.5518, 0.2931, 0.3132 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 56.5518, 0.2931, 0.3132 by changing the saturation by 10% instead.

■ 56.5518, 0.2931,
0.3132

■ 56.5518, 0.2931,
0.3132

411.7677, 0.3026,
0.3209

■ 40.6455, 0.2908,
0.3114

■ 99.8109, 0.2965,
0.3159

■ 28.0422, 0.2880,
0.3090

127.9325, 0.2977,
0.3170

■ 18.3575, 0.2843,
0.3060

160.8947, 0.2988,
0.3179

■ 11.2069, 0.2794,
0.3019

199.0818, 0.2998,
0.3186

■ 6.2062, 0.2723,
0.2959

242.8783, 0.3006,
0.3193

■ 2.9709, 0.2615,
0.2868

292.6685, 0.3013,

■ 1.1165, 0.2429,

0.3199

0.2708

348.8368, 0.3020,
0.3204

0.0000, 0.0000,
0.0000

56.5518, 0.2931,
0.3132

56.5518, 0.2931,
0.3132

49.4772, 0.2771,
0.2991

64.3493, 0.3087,
0.3259

43.0945, 0.2608,
0.2837

72.8851, 0.3236,
0.3372

37.3810, 0.2448,
0.2670

82.1831, 0.3377,
0.3471

32.3094, 0.2293,
0.2492

89.0511, 0.3397,
0.3569

27.8505, 0.2149,
0.2306

95.3165, 0.3381,
0.3667

■ 23.9718, 0.2022,
0.2117

■ 97.5849, 0.3375,
0.3701

■ 20.6370, 0.1915,
0.1929

■ 17.8036, 0.1832,
0.1747

■ 15.9955, 0.1784,
0.1620

Harmonies

Analogous

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



56.5518, 0.2917, 0.3204



56.5518, 0.2931, 0.3132



56.5518, 0.2997, 0.3103

Triad

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



56.5518, 0.2931, 0.3132



56.5518, 0.3299, 0.3275



56.5518, 0.3153, 0.3465

Complementary

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



56.5518, 0.2931, 0.3132



58.5712, 0.3336, 0.3443

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.



56.5518, 0.3257, 0.3482



56.5518, 0.2931, 0.3132



56.5518, 0.3343, 0.3370

Square

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



56.5518, 0.2931, 0.3132



56.5518, 0.3210, 0.3186



56.5518, 0.3327, 0.3446



56.5518, 0.3043, 0.3398

Rectangle

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



56.5518, 0.2931, 0.3132



56.5518, 0.3062, 0.3111



56.5518, 0.3327, 0.3446



56.5518, 0.3189, 0.3476

Sweetspot

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



56.5542, 0.2931, 0.3132



95.0148, 0.3066, 0.3242



62.1470, 0.3028, 0.3464



20.1408, 0.3054, 0.3233



0.0000, 0.0000, 0.0000



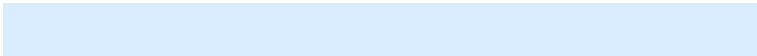
21.4041, 0.3127, 0.3290

Same Dimension

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



56.5542, 0.2931, 0.3132



82.2324, 0.2891, 0.3098



50.7636, 0.2927, 0.2970



13.0606, 0.2982, 0.3175



9.9748, 0.1790, 0.1645



0.7671, 0.1875, 0.1950

Inverse Universe

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



53.4528, 0.3243, 0.3127



76.8442, 0.3270, 0.3094



64.8409, 0.3317, 0.3591



12.5270, 0.3211, 0.3170



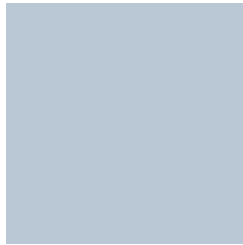
9.3518, 0.4875, 0.2459



0.5808, 0.4509, 0.2258

Previews

White Background



This preview shows how the Yxy color 56.5518, 0.2931, 0.3132 looks on a white background.

Color Contrast Check

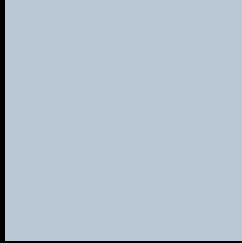
Large Text (above 18pt) WCAG AA × Fail

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 56.5518, 0.2931, 0.3132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

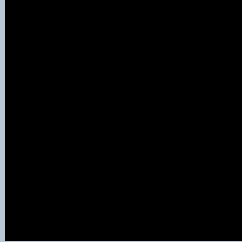
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

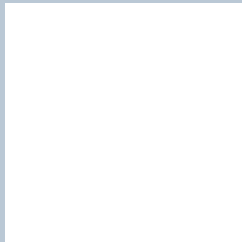
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.5518, 0.2931, 0.3132

Background



This preview shows how black text looks on a background with the Yxy color 56.5518, 0.2931, 0.3132.



This preview shows how white text looks on a background with the Yxy color 56.5518, 0.2931, 0.3132.

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

56.5518, 0.2931, 0.3132

Protanopia

56.6414, 0.3034, 0.3124

Deuteranopia

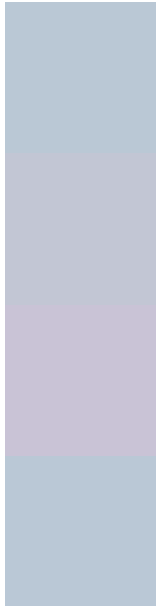
56.3072, 0.3100, 0.3025



Tritanopia

56.6540, 0.2917, 0.3109

Trichromacy



Original Color

56.5518, 0.2931, 0.3132

Protanomaly

56.6110, 0.2997, 0.3123

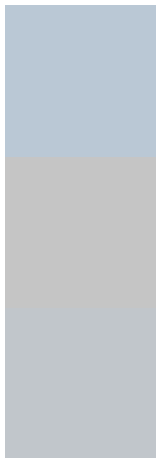
Deuteranomaly

56.3028, 0.3036, 0.3067

Tritanomaly

56.6027, 0.2924, 0.3120

Monochromacy



Original Color

56.5518, 0.2931, 0.3132

Achromatopsia

55.8340, 0.3127, 0.3290

Achromatomaly

56.0374, 0.3052, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.5518, 0.2931, 0.3132 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(186, 200, 213)` looks like.

```
.text, #text, p{  
    color:rgb(186, 200, 213)  
}
```

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(186, 200, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 200, 213) }
```

Border

The CSS property to change the border of an element to Yxy 56.5518, 0.2931, 0.3132 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(186, 200, 213) }
```

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

```
.border{ border-color:rgb(186, 200, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 200, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 200, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 200, 213);  
box-shadow:4px 4px 4px 4px rgb(186, 200,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 56.5518, 0.2931, 0.3132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 200, 213) }
```

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

```
.background{ background-color: rgb(186,  
200, 213) }
```

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