

Converting Colors

$Y_{xy}(59.2137, 0.2892, 0.3171)$

Have a look what the booklet for
Yxy(59.2137, 0.2892, 0.3171)
contains.

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Color

Yxy(59.1678, 0.2892, 0.3169)

Conversions

Conversions Part 1

Format	Color
Hex	B7CED8
RGB	183, 206, 216
RGB Percent	72%, 81%, 85%
CMY	0.2823, 0.1921, 0.1529
CMYK	0.15, 0.05, 0.00, 0.15
HSL	198°, 30%, 78%
HSV	198°, 15%, 85%
XYZ	53.9960, 59.1678, 73.5443
YIQ	200.2630, -16.9180, -1.7660

Conversions

Conversions Part 2

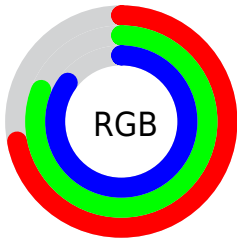
Format	Color
R_{YB}	183, 197, 216
Decimal	12046040
CIE Lab	81.38, -5.65, -7.58
CIE LCh	81, 9.452, 233.277
Yxy	59.1678, 0.2892, 0.3169
Android (android.graphics.Color)	4290236120 (0xFFB7CED8)
YUV	200.2630, 7.7583, -15.1397
Hunter-Lab	76.9206, -9.3094, -2.8432

Details

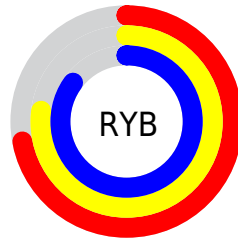
The Yxy color **59.1678, 0.2892, 0.3169** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.1645, 0.3394, 0.3408**, and the grayscale version is **57.8906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **29.7755, 0.2837, 0.3144** is the 20% darker color. If you saturate the color by 10%, you get **53.6336, 0.2739, 0.3080**, and if you desaturate by 10%, it is **65.2448, 0.3046, 0.3250**.

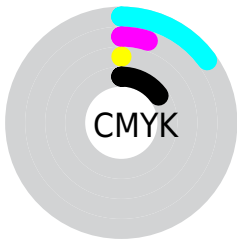
Distribution



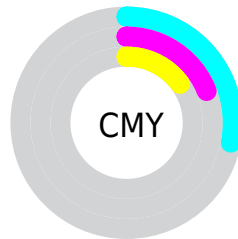
- Red (72%)
- Green (81%)
- Blue (85%)



- Red (72%)
- Yellow (77%)
- Blue (85%)



- Cyan (15%)
- Magenta (5%)
- Yellow (0%)
- Black (15%)



- Cyan (28%)
- Magenta (19%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.1678, 0.2892, 0.3169 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 59.1678, 0.2892, 0.3169 by changing the saturation by 10% instead.

■ 59.1678, 0.2892,
0.3169

■ 59.1678, 0.2892,
0.3169

421.5235, 0.3004,
0.3228

■ 42.7482, 0.2866,
0.3155

■ 103.6215, 0.2932,
0.3190

■ 29.6876, 0.2832,
0.3137

132.4244, 0.2947,
0.3198

■ 19.6016, 0.2790,
0.3113

166.1239, 0.2960,
0.3205

■ 12.1058, 0.2732,
0.3081

205.1043, 0.2971,
0.3211

■ 6.8158, 0.2652,
0.3035

249.7501, 0.2981,
0.3216

■ 3.3471, 0.2531,
0.2964

300.4456, 0.2990,

■ 1.3155, 0.2329,

0.3220

0.2839

357.5753, 0.2997,
0.3224

■ 0.1532, 0.0089,
0.1787

■ 0.0000, 0.0000,
0.0000

■ 59.1678, 0.2892,
0.3169

■ 59.1678, 0.2892,
0.3169

■ 53.6336, 0.2739,
0.3080

■ 65.2448, 0.3046,
0.3250

■ 48.6147, 0.2591,
0.2983

■ 71.8761, 0.3199,
0.3324

■ 44.0922, 0.2451,
0.2880

■ 79.0819, 0.3349,
0.3389

■ 40.0427, 0.2322,
0.2770

■ 84.0428, 0.3391,
0.3452

■ 36.4406, 0.2209,
0.2657

■ 87.8029, 0.3381,
0.3516

■ 33.2573, 0.2113,
0.2542

■ 91.7019, 0.3372,
0.3579

■ 30.4596, 0.2038,
0.2426

■ 95.7412, 0.3362,
0.3641

■ 28.0074, 0.1983,
0.2312

■ 97.7382, 0.3357,
0.3671

■ 26.9370, 0.1961,
0.2259

Harmonies

Analogous

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



59.1678, 0.2921, 0.3272



59.1678, 0.2892, 0.3169



59.1678, 0.2924, 0.3101

Triad

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



59.1678, 0.2892, 0.3169



59.1678, 0.3249, 0.3199



59.1678, 0.3242, 0.3504

Complementary

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



59.1678, 0.2892, 0.3169



56.1645, 0.3394, 0.3408

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.



59.1678, 0.3333, 0.3479



59.1678, 0.2892, 0.3169



59.1678, 0.3337, 0.3302

Square

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



59.1678, 0.2892, 0.3169



59.1678, 0.3129, 0.3120



59.1678, 0.3368, 0.3404



59.1678, 0.3122, 0.3469

Rectangle

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



59.1678, 0.2892, 0.3169



59.1678, 0.2976, 0.3083



59.1678, 0.3368, 0.3404



59.1678, 0.3277, 0.3502

Sweetspot

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



59.1703, 0.2892, 0.3169



95.2199, 0.3050, 0.3252



63.0297, 0.3043, 0.3572



20.2408, 0.3039, 0.3247



0.0000, 0.0000, 0.0000



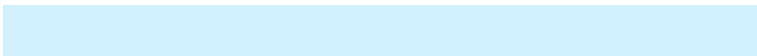
21.4041, 0.3127, 0.3290

Same Dimension

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



59.1703, 0.2892, 0.3169



83.7504, 0.2848, 0.3144



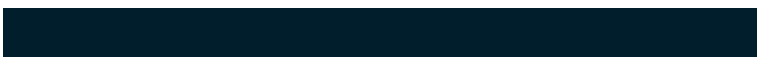
51.6835, 0.2884, 0.2966



13.4427, 0.2982, 0.3218



16.1407, 0.1966, 0.2276



1.1161, 0.2020, 0.2472

Inverse Universe

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



52.9264, 0.3223, 0.3025



73.2659, 0.3244, 0.2973



63.8203, 0.3366, 0.3594



12.5656, 0.3184, 0.3129



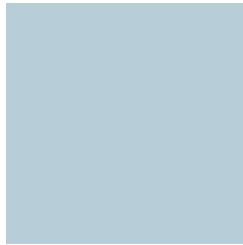
9.9743, 0.4151, 0.2061



0.6160, 0.3950, 0.1950

Previews

White Background



This preview shows how the Yxy color 59.1678, 0.2892, 0.3169 looks on a white background.

Color Contrast Check

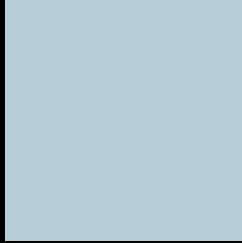
Large Text (above 18pt) WCAG AA × Fail

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 59.1678, 0.2892, 0.3169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

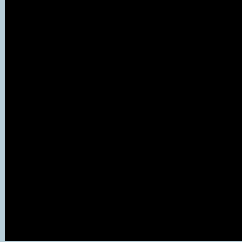
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

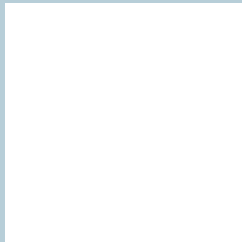
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.1678, 0.2892, 0.3169

Background



This preview shows how black text looks on a background with the Yxy color 59.1678, 0.2892, 0.3169.



This preview shows how white text looks on a background with the Yxy color 59.1678, 0.2892, 0.3169.

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

59.1678, 0.2892, 0.3169

Protanopia

59.1339, 0.3050, 0.3150

Deuteranopia

58.8380, 0.3108, 0.3041



Tritanopia

59.0734, 0.2866, 0.3099

Trichromacy



Original Color

59.1678, 0.2892, 0.3169

Protanomaly

59.1690, 0.2991, 0.3160

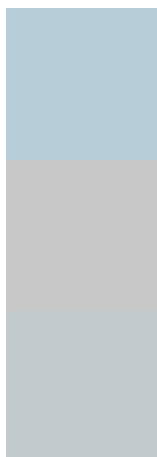
Deuteranomaly

59.0148, 0.3030, 0.3093

Tritanomaly

58.9675, 0.2879, 0.3122

Monochromacy



Original Color

59.1678, 0.2892, 0.3169

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

58.1666, 0.3038, 0.3242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.1678, 0.2892, 0.3169 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(183, 206, 216)` looks like.

```
.text, #text, p{  
    color:rgb(183, 206, 216)  
}
```

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(183, 206, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 206, 216) }
```

Border

The CSS property to change the border of an element to Yxy 59.1678, 0.2892, 0.3169 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(183, 206, 216) }
```

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

```
.border{ border-color:rgb(183, 206, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 206, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 206, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 206, 216); box-shadow:4px 4px 4px 4px rgb(183, 206, 216) }
```


Background

The CSS property to change the background color of an element to Yxy 59.1678, 0.2892, 0.3169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 206, 216) }
```

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

```
.background{ background-color: rgb(183,  
206, 216) }
```

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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