

Converting Colors

$Yxy(58.5608, 0.2853, 0.3173)$

Have a look what the booklet for
Yxy(58.5608, 0.2853, 0.3173)
contains.

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Color

Yxy(58.4476, 0.2850, 0.3168)

Conversions

Conversions Part 1

Format	Color
Hex	B1CED8
RGB	177, 206, 216
RGB Percent	69%, 81%, 85%
CMY	0.3062, 0.1920, 0.1530
CMYK	0.18, 0.05, 0.00, 0.15
HSL	195°, 33%, 77%
HSV	195°, 18%, 85%
XYZ	52.5807, 58.4476, 73.4654
YIQ	198.4690, -20.4940, -3.0380

Conversions

Conversions Part 2

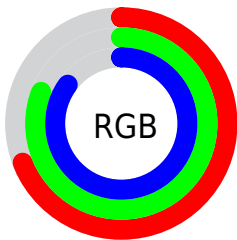
Format	Color
RYB	177, 194, 216
Decimal	11652824
CIELab	80.99, -7.59, -8.20
CIELCh	81, 11.173, 227.197
Yxy	58.4476, 0.2850, 0.3168
Android (android.graphics.Color)	4289842904 (0xFFB1CED8)
YUV	198.4690, 8.6428, -18.8283
Hunter-Lab	76.4510, -11.0224, -3.4588

Details

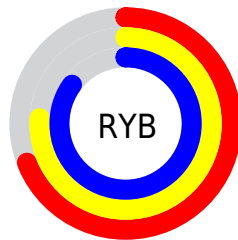
The Yxy color **58.4476, 0.2850, 0.3168** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.2534, 0.3456, 0.3409**, and the grayscale version is **56.7199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **29.3148, 0.2784, 0.3142** is the 20% darker color. If you saturate the color by 10%, you get **53.5082, 0.2701, 0.3092**, and if you desaturate by 10%, it is **63.8860, 0.3003, 0.3238**.

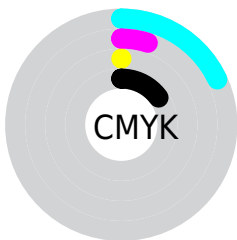
Distribution



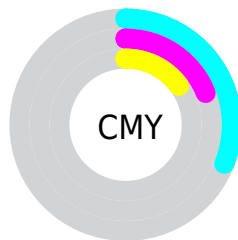
- Red (69%)
- Green (81%)
- Blue (85%)



- Red (69%)
- Yellow (76%)
- Blue (85%)



- Cyan (18%)
- Magenta (5%)
- Yellow (0%)
- Black (15%)



- Cyan (31%)
- Magenta (19%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.4476, 0.2850, 0.3168 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 58.4476, 0.2850, 0.3168 by changing the saturation by 10% instead.

■ 58.4476, 0.2850,
0.3168

■ 58.4476, 0.2850,
0.3168

418.8517, 0.2982,
0.3228

■ 42.1686, 0.2819,
0.3153

■ 102.5744, 0.2897,
0.3190

■ 29.2333, 0.2780,
0.3135

131.1910, 0.2915,
0.3198

■ 19.2574, 0.2729,
0.3110

164.6888, 0.2930,
0.3205

■ 11.8564, 0.2662,
0.3077

203.4524, 0.2943,
0.3211

■ 6.6460, 0.2567,
0.3029

247.8661, 0.2955,
0.3216

■ 3.2417, 0.2425,
0.2953

298.3143, 0.2965,

■ 1.2592, 0.2188,

0.3220

0.2819

355.1814, 0.2974,
0.3224

■ 0.1093, 0.0000,
0.1364

■ 0.0000, 0.0000,
0.0000

■ 58.4476, 0.2850,
0.3168

■ 58.4476, 0.2850,
0.3168

■ 53.5082, 0.2701,
0.3092

■ 63.8860, 0.3003,
0.3238

■ 49.0408, 0.2559,
0.3009

■ 69.8346, 0.3156,
0.3302

■ 45.0264, 0.2427,
0.2922

■ 76.3134, 0.3309,
0.3359

■ 41.4419, 0.2309,
0.2830

■ 81.7292, 0.3397,
0.3412

■ 38.2616, 0.2207,
0.2736

■ 84.8071, 0.3389,
0.3466

■ 35.4566, 0.2124,
0.2641

■ 87.9823, 0.3381,
0.3520

■ 32.9927, 0.2061,
0.2545

■ 91.2557, 0.3373,
0.3573

■ 30.8215, 0.2017,
0.2451

■ 94.6281, 0.3365,
0.3625

■ 30.4261, 0.2009,
0.2433

■ 97.7371, 0.3358,
0.3671

Harmonies

Analogous

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



58.4476, 0.2899, 0.3296



58.4476, 0.2850, 0.3168



58.4476, 0.2873, 0.3077

Triad

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



58.4476, 0.2850, 0.3168



58.4476, 0.3244, 0.3160



58.4476, 0.3289, 0.3544

Complementary

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



58.4476, 0.2850, 0.3168



53.2534, 0.3456, 0.3409

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.



58.4476, 0.3386, 0.3500



58.4476, 0.2850, 0.3168



58.4476, 0.3360, 0.3278

Square

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



58.4476, 0.2850, 0.3168



58.4476, 0.3099, 0.3076



58.4476, 0.3413, 0.3402



58.4476, 0.3151, 0.3518

Rectangle

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



58.4476, 0.2850, 0.3168



58.4476, 0.2927, 0.3049



58.4476, 0.3413, 0.3402



58.4476, 0.3328, 0.3537

Sweetspot

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



58.4500, 0.2850, 0.3168



95.6058, 0.3050, 0.3258



62.0155, 0.3041, 0.3654



20.3347, 0.3039, 0.3254



0.0000, 0.0000, 0.0000



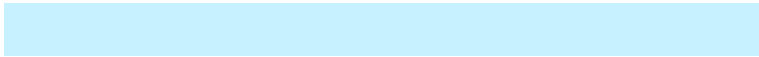
21.4041, 0.3127, 0.3290

Same Dimension

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



58.4500, 0.2850, 0.3168



82.0831, 0.2788, 0.3137



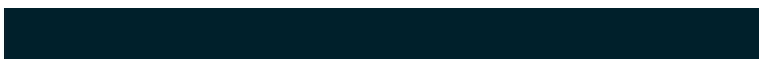
49.6994, 0.2837, 0.2925



13.5470, 0.2982, 0.3229



18.1930, 0.2013, 0.2447



1.2264, 0.2058, 0.2610

Inverse Universe

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



50.4642, 0.3228, 0.2953



68.3940, 0.3256, 0.2874



62.0150, 0.3417, 0.3630



12.5761, 0.3176, 0.3118



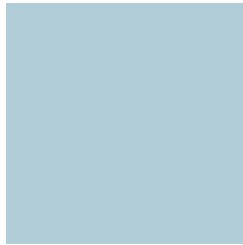
10.1814, 0.3975, 0.1963



0.6271, 0.3814, 0.1875

Previews

White Background



This preview shows how the Yxy color 58.4476, 0.2850, 0.3168 looks on a white background.

Color Contrast Check

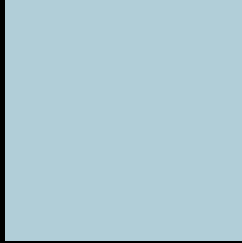
Large Text (above 18pt) WCAG AA × Fail

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 58.4476, 0.2850, 0.3168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

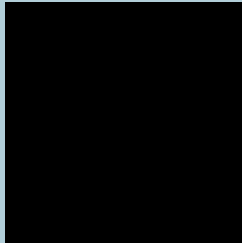
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

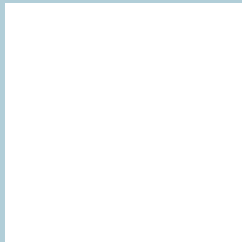
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.4476, 0.2850, 0.3168

Background



This preview shows how black text looks on a background with the Yxy color 58.4476, 0.2850, 0.3168.

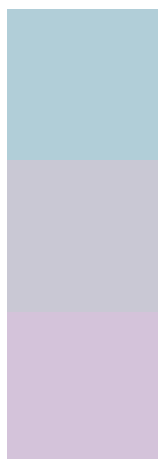


This preview shows how white text looks on a background with the Yxy color 58.4476, 0.2850, 0.3168.

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

58.4476, 0.2850, 0.3168

Protanopia

58.4795, 0.3049, 0.3149

Deuteranopia

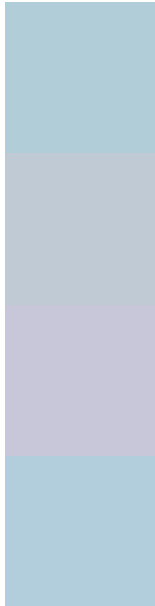
58.0892, 0.3092, 0.3028



Tritanopia

58.4015, 0.2819, 0.3084

Trichromacy



Original Color

58.4476, 0.2850, 0.3168

Protanomaly

58.2516, 0.2975, 0.3159

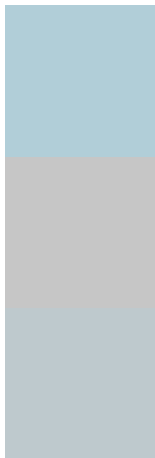
Deuteranomaly

57.9987, 0.3000, 0.3079

Tritanomaly

58.2949, 0.2831, 0.3108

Monochromacy



Original Color

58.4476, 0.2850, 0.3168

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

57.1282, 0.3015, 0.3241

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.4476, 0.2850, 0.3168 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(177, 206, 216)` looks like.

```
.text, #text, p{  
    color:rgb(177, 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(177, 206, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 206, 216) }
```

Border

The CSS property to change the border of an element to Yxy 58.4476, 0.2850, 0.3168 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(177, 206, 216) }
```

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

```
.border{ border-color:rgb(177, 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(177, 206, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 206, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 206, 216); box-shadow:4px 4px 4px 4px rgb(177, 206, 216) }
```


Background

The CSS property to change the background color of an element to Yxy 58.4476, 0.2850, 0.3168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 206, 216) }
```

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

```
.background{ background-color: rgb(177,  
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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