

Converting Colors

$Y_{xy}(36.8921, 0.2308, 0.2889)$

Have a look what the booklet for
Yxy(36.8921, 0.2308, 0.2889)
contains.

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Color

Yxy(37.0643, 0.2309, 0.2893)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 51B0CA |
| RGB | 81, 176, 202 |
| RGB Percent | 32%, 69%, 79% |
| CMY | 0.6821, 0.3098, 0.2078 |
| CMYK | 0.60, 0.13, 0.00, 0.21 |
| HSL | 193°, 53%, 56% |
| HSV | 193°, 60%, 79% |
| XYZ | 29.5823, 37.0643, 61.4706 |
| YIQ | 150.5590, -64.9660, -12.0540 |

Conversions

Conversions Part 2

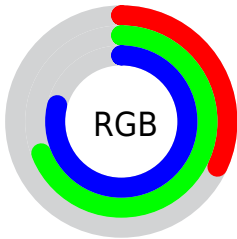
| Format | Color |
|-------------------------------------|--|
| RYB | 81, 134, 202 |
| Decimal | 5353674 |
| CIELab | 67.33, -20.32, -21.63 |
| CIElCh | 67, 29.677, 226.799 |
| Yxy | 37.0643, 0.2309, 0.2893 |
| Android (android.graphics.Color) | 4283543754 (0xFF51B0CA) |
| YUV | 150.5590, 25.3604, -61.0032 |
| Hunter-Lab | 60.8805, -19.8064, -17.2484 |

Details

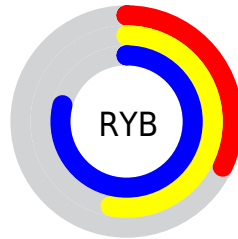
The Yxy color **37.0643, 0.2309, 0.2893** is a light color, and the websafe version is hex **0099CC**. The color can be described as light muted azure. A complement of this color would be **23.6785, 0.4748, 0.3614**, and the grayscale version is **30.6663, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5959, 0.2477, 0.3021**, and **16.3040, 0.2098, 0.2752** is the 20% darker color. If you saturate the color by 10%, you get **34.6255, 0.2216, 0.2815**, and if you desaturate by 10%, it is **39.8257, 0.2419, 0.2969**.

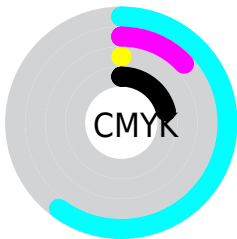
Distribution



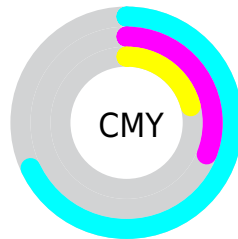
- Red (32%)
- Green (69%)
- Blue (79%)



- Red (32%)
- Yellow (53%)
- Blue (79%)



- Cyan (60%)
- Magenta (13%)
- Yellow (0%)
- Black (21%)



- Cyan (68%)
- Magenta (31%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.0643, 0.2309, 0.2893 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 37.0643, 0.2309, 0.2893 by changing the saturation by 10% instead.

■ 37.0643, 0.2309,
0.2893

■ 37.0643, 0.2309,
0.2893

■ 333.5888, 0.2719,
0.3108

■ 25.2573, 0.2207,
0.2835

■ 70.6717, 0.2458,
0.2975

■ 16.2688, 0.2078,
0.2758

■ 93.2408, 0.2514,
0.3004

■ 9.7146, 0.1909,
0.2651

■ 120.1661, 0.2561,
0.3029

■ 5.2101, 0.1679,
0.2495

■ 151.8320, 0.2602,
0.3049

■ 2.3711, 0.1354,
0.2252

■ 188.6228, 0.2637,
0.3067

■ 0.8109, 0.0638,
0.1883

■ 230.9229, 0.2668,

■ 0.0000, 0.0000,

0.3083

0.0000

279.1168, 0.2695,
0.3096

■ 37.0643, 0.2309,
0.2893

■ 37.0643, 0.2309,
0.2893

■ 34.6255, 0.2216,
0.2815

■ 39.8257, 0.2419,
0.2969

■ 32.4805, 0.2143,
0.2736

■ 42.9275, 0.2544,
0.3043

■ 30.6013, 0.2088,
0.2657

■ 46.3907, 0.2681,
0.3112

■ 28.9339, 0.2050,
0.2579

■ 50.2334, 0.2826,
0.3177

■ 28.9134, 0.2050,
0.2578

■ 54.4721, 0.2976,
0.3236

■ 59.1226, 0.3129,
0.3291

■ 64.1994, 0.3282,
0.3340

■ 69.7165, 0.3433,
0.3383

■ 74.1668, 0.3520,
0.3425

Harmonies

Analogous

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



37.0643, 0.2443, 0.3292



37.0643, 0.2309, 0.2893



37.0643, 0.2372, 0.2642

Triad

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



37.0643, 0.2309, 0.2893



37.0643, 0.3476, 0.2899



37.0643, 0.3614, 0.4088

Complementary

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



37.0643, 0.2309, 0.2893



23.6785, 0.4748, 0.3614

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.



37.0643, 0.3926, 0.3906



37.0643, 0.2309, 0.2893



37.0643, 0.3853, 0.3226

Square

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



37.0643, 0.2309, 0.2893



37.0643, 0.3019, 0.2665



37.0643, 0.4020, 0.3586



37.0643, 0.3183, 0.4035

Rectangle

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



37.0643, 0.2309, 0.2893



37.0643, 0.2519, 0.2574



37.0643, 0.4020, 0.3586



37.0643, 0.3737, 0.4049

Sweetspot

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



37.0657, 0.2309, 0.2893



86.1747, 0.2850, 0.3187



45.0172, 0.2918, 0.4852



18.0126, 0.2806, 0.3168



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.



37.0657, 0.2309, 0.2893



57.4452, 0.2191, 0.2790



18.8176, 0.2094, 0.1926



12.3017, 0.2983, 0.3239



18.7401, 0.2053, 0.2589



1.0715, 0.2095, 0.2741

Inverse Universe

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



21.5840, 0.3510, 0.2156



30.7510, 0.3621, 0.1994



40.3205, 0.4228, 0.4324



11.3608, 0.3170, 0.3110



9.6948, 0.3835, 0.1886



0.5107, 0.3690, 0.1806

Previews

White Background



This preview shows how the Yxy color 37.0643, 0.2309, 0.2893 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 37.0643, 0.2309, 0.2893 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 37.0643, 0.2309, 0.2893

Background



This preview shows how black text looks on a background with the Yxy color 37.0643, 0.2309, 0.2893.



This preview shows how white text looks on a background with the Yxy color 37.0643, 0.2309, 0.2893.

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

37.0643, 0.2309, 0.2893

Protanopia

36.4636, 0.2834, 0.2857

Deuteranopia

36.7659, 0.2728, 0.2666



Tritanopia

37.2243, 0.2350, 0.3069

Trichromacy



Original Color

37.0643, 0.2309, 0.2893

Protanomaly

35.9251, 0.2591, 0.2851

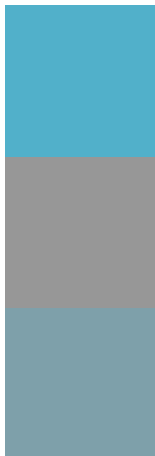
Deuteranomaly

36.3473, 0.2533, 0.2732

Tritanomaly

37.0495, 0.2330, 0.2994

Monochromacy



Original Color

37.0643, 0.2309, 0.2893

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

32.4795, 0.2741, 0.3132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0643, 0.2309, 0.2893 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(81, 176, 202)` looks like.

```
.text, #text, p{  
    color:rgb(81, 176, 202)  
}
```

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(81, 176, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 176, 202) }
```

Border

The CSS property to change the border of an element to Yxy 37.0643, 0.2309, 0.2893 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(81, 176, 202) }
```

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

```
.border{ border-color:rgb(81, 176, 202) }
```

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

Here you see how a box with a 4 pixel rgb(81, 176, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 176, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 176, 202);  
box-shadow:4px 4px 4px 4px rgb(81, 176,  
202) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 37.0643, 0.2309, 0.2893$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 176, 202) }
```

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

```
.background{ background-color: rgb(81, 176,  
202) }
```

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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