

Converting Colors

$Y_{xy}(35.8311, 0.2306, 0.2881)$

Have a look what the booklet for
Yxy(35.8311, 0.2306, 0.2881)
contains.

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Color

Yxy(35.7627, 0.2304, 0.2873)

Conversions

Conversions Part 1

Format	Color
Hex	50ADC8
RGB	80, 173, 200
RGB Percent	31%, 68%, 78%
CMY	0.6861, 0.3216, 0.2157
CMYK	0.60, 0.14, 0.00, 0.22
HSL	194°, 52%, 55%
HSV	194°, 60%, 78%
XYZ	28.6799, 35.7627, 60.0360
YIQ	148.2710, -64.0950, -11.3190

Conversions

Conversions Part 2

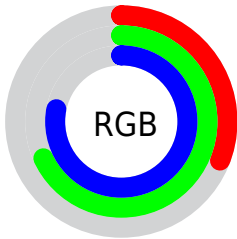
Format	Color
RYB	80, 132, 200
Decimal	5287368
CIELab	66.34, -19.54, -22.04
CIELCh	66, 29.455, 228.436
Yxy	35.7627, 0.2304, 0.2873
Android (android.graphics.Color)	4283477448 (0xFF50ADC8)
YUV	148.2710, 25.5024, -59.8737
Hunter-Lab	59.8019, -19.0482, -17.6608

Details

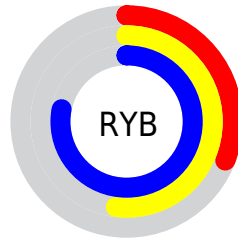
The Yxy color **35.7627, 0.2304, 0.2873** is a light color, and the websafe version is hex **0099CC**. The color can be described as light muted azure. A complement of this color would be **23.3859, 0.4740, 0.3630**, and the grayscale version is **29.6503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7476, 0.2462, 0.2984**, and **15.5083, 0.2090, 0.2722** is the 20% darker color. If you saturate the color by 10%, you get **33.3208, 0.2210, 0.2791**, and if you desaturate by 10%, it is **38.5246, 0.2415, 0.2953**.

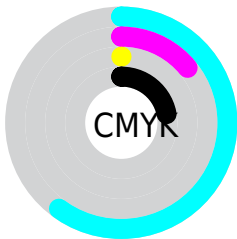
Distribution



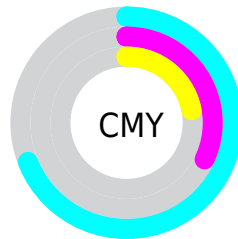
- Red (31%)
- Green (68%)
- Blue (78%)



- Red (31%)
- Yellow (52%)
- Blue (78%)



- Cyan (60%)
- Magenta (14%)
- Yellow (0%)
- Black (22%)




- Cyan (69%)
- Magenta (32%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7627, 0.2304, 0.2873 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 35.7627, 0.2304, 0.2873 by changing the saturation by 10% instead.


 35.7627, 0.2304,
0.2873

 35.7627, 0.2304,
0.2873


327.9222, 0.2719,
0.3099

 24.2510, 0.2201,
0.2812


 68.6656, 0.2455,
0.2959

 15.5199, 0.2069,
0.2730


 90.8257, 0.2512,
0.2990

 9.1851, 0.1895,
0.2617


 117.3039, 0.2560,
0.3016

 4.8621, 0.1659,
0.2451

 148.4847, 0.2601,
0.3038

 2.1666, 0.1324,
0.2192

184.7526, 0.2636,
0.3056

 0.7017, 0.0485,
0.1793

226.4918, 0.2667,

 0.0000, 0.0000,

0.3073

0.0000

274.0869, 0.2695,
0.3087

■ 35.7627, 0.2304,
0.2873

■ 35.7627, 0.2304,
0.2873

■ 33.3208, 0.2210,
0.2791

■ 38.5246, 0.2415,
0.2953

■ 31.1705, 0.2135,
0.2708

■ 41.6238, 0.2541,
0.3030

■ 29.2846, 0.2079,
0.2625

■ 45.0810, 0.2678,
0.3103

■ 27.6090, 0.2040,
0.2543

■ 48.9139, 0.2824,
0.3171

■ 27.6053, 0.2040,
0.2543

■ 53.1388, 0.2975,
0.3233

■ 57.7710, 0.3128,
0.3290

■ 62.8249, 0.3280,
0.3341

■ 68.3141, 0.3430,
0.3387

■ 73.2813, 0.3538,
0.3430

Harmonies

Analogous

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



35.7627, 0.2428, 0.3267



35.7627, 0.2304, 0.2873



35.7627, 0.2378, 0.2631

Triad

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



35.7627, 0.2304, 0.2873



35.7627, 0.3501, 0.2914



35.7627, 0.3594, 0.4096

Complementary

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



35.7627, 0.2304, 0.2873



23.3859, 0.4740, 0.3630

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.



35.7627, 0.3917, 0.3923



35.7627, 0.2304, 0.2873



35.7627, 0.3872, 0.3245

Square

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



35.7627, 0.2304, 0.2873



35.7627, 0.3043, 0.2672



35.7627, 0.4026, 0.3607



35.7627, 0.3159, 0.4028

Rectangle

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



35.7627, 0.2304, 0.2873



35.7627, 0.2532, 0.2569



35.7627, 0.4026, 0.3607



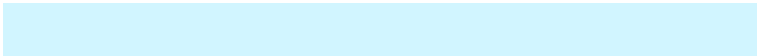
35.7627, 0.3720, 0.4060

Sweetspot

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



35.7640, 0.2304, 0.2873



85.8932, 0.2850, 0.3182



44.0588, 0.2908, 0.4822



17.9432, 0.2806, 0.3163



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.



35.7640, 0.2304, 0.2873



56.4994, 0.2185, 0.2766



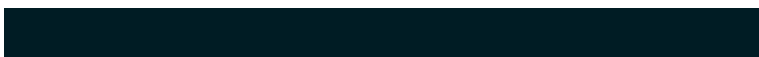
17.9202, 0.2086, 0.1891



11.6469, 0.2984, 0.3237



17.6910, 0.2043, 0.2555



0.9402, 0.2090, 0.2725

Inverse Universe

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



21.0410, 0.3527, 0.2168



30.6556, 0.3643, 0.2008



40.1377, 0.4214, 0.4347



10.7742, 0.3171, 0.3113



9.3259, 0.3868, 0.1905



0.4519, 0.3704, 0.1814

Previews

White Background



This preview shows how the Yxy color 35.7627, 0.2304, 0.2873 looks on a white background.

Color Contrast Check

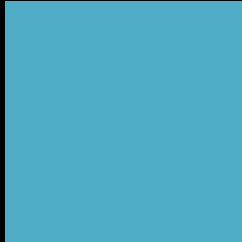
Large Text (above 18pt) WCAG AA × Fail

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 35.7627, 0.2304, 0.2873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

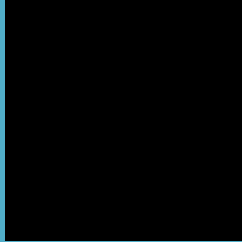
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7627, 0.2304, 0.2873

Background



This preview shows how black text looks on a background with the Yxy color 35.7627, 0.2304, 0.2873.

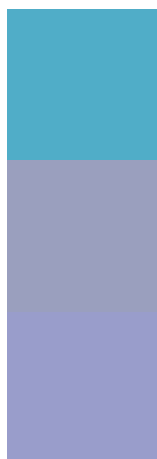


This preview shows how white text looks on a background with the Yxy color 35.7627, 0.2304, 0.2873.

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

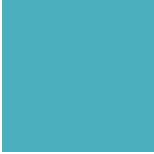
35.7627, 0.2304, 0.2873

Protanopia

35.3840, 0.2822, 0.2851

Deuteranopia

35.1980, 0.2714, 0.2655



Tritanopia

35.8299, 0.2346, 0.3066

Trichromacy



Original Color

35.7627, 0.2304, 0.2873

Protanomaly

34.9580, 0.2586, 0.2846

Deuteranomaly

34.8943, 0.2525, 0.2723

Tritanomaly

35.7001, 0.2330, 0.2990

Monochromacy



Original Color

35.7627, 0.2304, 0.2873

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

31.1149, 0.2735, 0.3129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7627, 0.2304, 0.2873 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(80, 173, 200)` looks like.

```
.text, #text, p{  
    color:rgb(80, 173, 200)  
}
```

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(80, 173, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 173, 200) }
```

Border

The CSS property to change the border of an element to Yxy 35.7627, 0.2304, 0.2873 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(80, 173, 200) }
```

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

```
.border{ border-color:rgb(80, 173, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 173, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 173, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 173, 200);  
box-shadow:4px 4px 4px 4px rgb(80, 173,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7627, 0.2304, 0.2873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 173, 200) }
```

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

```
.background{ background-color: rgb(80, 173,  
200) }
```

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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