

Converting Colors

$Y_{xy}(38.5584, 0.2274, 0.2710)$

Have a look what the booklet for
Yxy(38.5584, 0.2274, 0.2710)
contains.

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Color

Yxy(38.5779, 0.2274, 0.2710)

Conversions

Conversions Part 1

Format	Color
Hex	59B1D9
RGB	89, 177, 217
RGB Percent	35%, 69%, 85%
CMY	0.6508, 0.3059, 0.1489
CMYK	0.59, 0.18, 0.00, 0.15
HSL	199°, 63%, 60%
HSV	199°, 59%, 85%
XYZ	32.3713, 38.5779, 71.4047
YIQ	155.2480, -65.2880, -6.2160

Conversions

Conversions Part 2

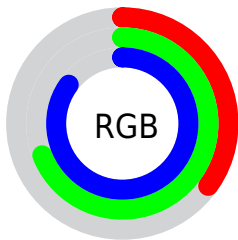
Format	Color
RYB	89, 141, 217
Decimal	5878233
CIELab	68.44, -14.81, -28.17
CIElCh	68, 31.823, 242.267
Yxy	38.5779, 0.2274, 0.2710
Android (android.graphics.Color)	4284068313 (0xFF59B1D9)
YUV	155.2480, 30.4437, -58.0995
Hunter-Lab	62.1111, -15.6632, -24.6837

Details

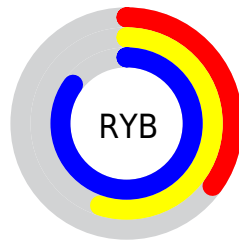
The Yxy color **38.5779, 0.2274, 0.2710** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **31.1965, 0.4616, 0.3761**, and the grayscale version is **32.7829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8874, 0.2516, 0.3036**, and **17.0498, 0.2039, 0.2523** is the 20% darker color. If you saturate the color by 10%, you get **35.0436, 0.2165, 0.2592**, and if you desaturate by 10%, it is **42.5649, 0.2399, 0.2825**.

Distribution



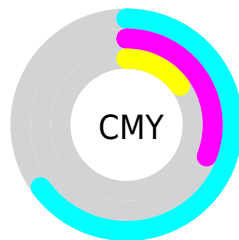
- Red (35%)
- Green (69%)
- Blue (85%)



- Red (35%)
- Yellow (55%)
- Blue (85%)



- Cyan (59%)
- Magenta (18%)
- Yellow (0%)
- Black (15%)



- Cyan (65%)
- Magenta (31%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.5779, 0.2274, 0.2710 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 38.5779, 0.2274, 0.2710 by changing the saturation by 10% instead.

■ 38.5779, 0.2274,
0.2710

■ 38.5779, 0.2274,
0.2710

■ 340.0926, 0.2697,
0.3012

■ 26.4315, 0.2171,
0.2632

■ 72.9930, 0.2426,
0.2822

■ 17.1467, 0.2041,
0.2531

■ 96.0306, 0.2484,
0.2863

■ 10.3392, 0.1873,
0.2396

■ 123.4673, 0.2533,
0.2898

■ 5.6244, 0.1648,
0.2207

■ 155.6877, 0.2575,
0.2928

■ 2.6181, 0.1338,
0.1930

■ 193.0759, 0.2612,
0.2953

■ 0.9358, 0.0851,
0.1511

■ 236.0166, 0.2644,

■ 0.0000, 0.0000,

0.2976

0.0000

284.8940, 0.2672,
0.2995

■ 38.5779, 0.2274,
0.2710

■ 38.5779, 0.2274,
0.2710

■ 35.0436, 0.2165,
0.2592

■ 42.5649, 0.2399,
0.2825

■ 31.9270, 0.2076,
0.2472

■ 47.0275, 0.2536,
0.2934

■ 29.1938, 0.2007,
0.2353

■ 51.9915, 0.2683,
0.3037

■ 26.7882, 0.1956,
0.2236

■ 57.4796, 0.2835,
0.3132

■ 26.5528, 0.1951,
0.2224

■ 63.5127, 0.2989,
0.3219

70.1104, 0.3143,
0.3298

77.2913, 0.3294,
0.3368

83.5915, 0.3385,
0.3433

87.4720, 0.3376,
0.3500

Harmonies

Analogous

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



38.5779, 0.2308, 0.3057



38.5779, 0.2274, 0.2710



38.5779, 0.2444, 0.2545

Triad

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



38.5779, 0.2274, 0.2710



38.5779, 0.3722, 0.3046



38.5779, 0.3412, 0.4144

Complementary

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



38.5779, 0.2274, 0.2710



31.1965, 0.4616, 0.3761

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.



38.5779, 0.3823, 0.4064



38.5779, 0.2274, 0.2710



38.5779, 0.4021, 0.3416

Square

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



38.5779, 0.2274, 0.2710



38.5779, 0.3261, 0.2744



38.5779, 0.4054, 0.3784



38.5779, 0.2944, 0.3944

Rectangle

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



38.5779, 0.2274, 0.2710



38.5779, 0.2660, 0.2538



38.5779, 0.4054, 0.3784



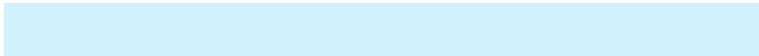
38.5779, 0.3562, 0.4146

Sweetspot

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



38.5793, 0.2274, 0.2710



83.4897, 0.2847, 0.3139



53.3098, 0.2855, 0.4640



17.3521, 0.2802, 0.3112



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.



38.5793, 0.2274, 0.2710



49.2323, 0.2140, 0.2560



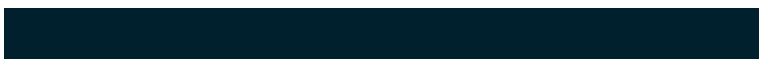
19.3149, 0.2063, 0.1752



14.1067, 0.2982, 0.3215



16.2655, 0.1956, 0.2241



1.2051, 0.2009, 0.2432

Inverse Universe

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



25.0809, 0.3664, 0.2290



30.2453, 0.3829, 0.2148



52.9274, 0.4125, 0.4442



13.2019, 0.3185, 0.3131



10.2658, 0.4189, 0.2081



0.6803, 0.3991, 0.1972

Previews

White Background



This preview shows how the Yxy color 38.5779, 0.2274, 0.2710 looks on a white background.

Color Contrast Check

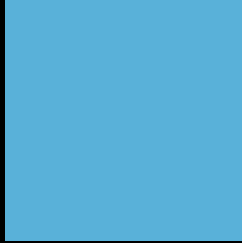
Large Text (above 18pt) WCAG AA × Fail

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 38.5779, 0.2274, 0.2710 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 38.5779, 0.2274, 0.2710

Background



This preview shows how black text looks on a background with the Yxy color 38.5779, 0.2274, 0.2710.

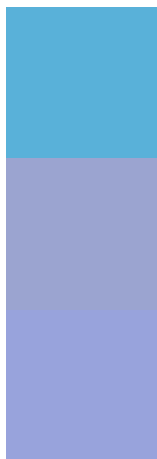


This preview shows how white text looks on a background with the Yxy color 38.5779, 0.2274, 0.2710.

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

38.5779, 0.2274, 0.2710

Protanopia

38.0735, 0.2703, 0.2695

Deuteranopia

38.0371, 0.2598, 0.2536



Tritanopia

38.6934, 0.2357, 0.3073

Trichromacy



Original Color

38.5779, 0.2274, 0.2710

Protanomaly

37.9044, 0.2517, 0.2702

Deuteranomaly

37.7869, 0.2454, 0.2587

Tritanomaly

38.7933, 0.2326, 0.2943

Monochromacy



Original Color

38.5779, 0.2274, 0.2710

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.2340, 0.2726, 0.3061

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5779, 0.2274, 0.2710 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(89, 177, 217)` looks like.

```
.text, #text, p{  
    color:rgb(89, 177, 217)  
}
```

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(89, 177, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 177, 217) }
```

Border

The CSS property to change the border of an element to Yxy 38.5779, 0.2274, 0.2710 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(89, 177, 217) }
```

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

```
.border{ border-color:rgb(89, 177, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 177, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 177, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 177, 217);  
box-shadow:4px 4px 4px 4px rgb(89, 177,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5779, 0.2274, 0.2710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 177, 217) }
```

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

```
.background{ background-color: rgb(89, 177,  
217) }
```

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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