

Converting Colors

$Y_{xy}(38.0286, 0.2290, 0.2719)$

Have a look what the booklet for
Yxy(38.0286, 0.2290, 0.2719)
contains.

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Color

Yxy(38.1811, 0.2289, 0.2722)

Conversions

Conversions Part 1

Format	Color
Hex	5BB0D7
RGB	91, 176, 215
RGB Percent	36%, 69%, 84%
CMY	0.6431, 0.3098, 0.1568
CMYK	0.58, 0.18, 0.00, 0.16
HSL	199°, 61%, 60%
HSV	199°, 58%, 84%
XYZ	32.1075, 38.1811, 69.9800
YIQ	155.0310, -63.1790, -5.8910

Conversions

Conversions Part 2

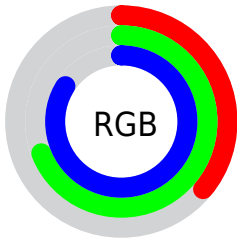
Format	Color
R_{YB}	91, 141, 215
Decimal	6009047
CIE _{Lab}	68.15, -14.51, -27.50
CIE _{LCh}	68, 31.096, 242.190
Yxy	38.1811, 0.2289, 0.2722
Android (android.graphics.Color)	4284199127 (0xFF5BB0D7)
YUV	155.0310, 29.5647, -56.1552
Hunter-Lab	61.7909, -15.3827, -23.8941

Details

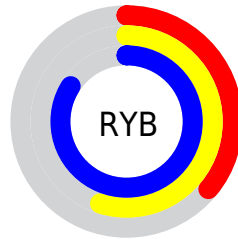
The Yxy color **38.1811, 0.2289, 0.2722** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **31.1781, 0.4567, 0.3756**, and the grayscale version is **32.6822, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4173, 0.2519, 0.3024**, and **16.7973, 0.2056, 0.2538** is the 20% darker color. If you saturate the color by 10%, you get **34.6544, 0.2178, 0.2603**, and if you desaturate by 10%, it is **42.1559, 0.2416, 0.2837**.

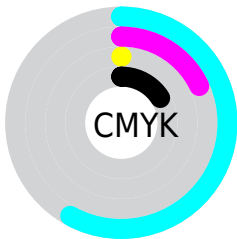
Distribution



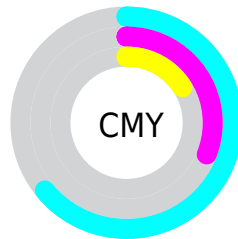
- Red (36%)
- Green (69%)
- Blue (84%)



- Red (36%)
- Yellow (55%)
- Blue (84%)



- Cyan (58%)
- Magenta (18%)
- Yellow (0%)
- Black (16%)



- Cyan (64%)
- Magenta (31%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.1811, 0.2289, 0.2722 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 38.1811, 0.2289, 0.2722 by changing the saturation by 10% instead.

■ 38.1811, 0.2289,
0.2722

■ 38.1811, 0.2289,
0.2722

■ 338.3962, 0.2706,
0.3019

■ 26.1233, 0.2187,
0.2645

■ 72.3856, 0.2439,
0.2832

■ 16.9159, 0.2058,
0.2546

■ 95.3011, 0.2496,
0.2873

■ 10.1745, 0.1891,
0.2412

■ 122.6046, 0.2544,
0.2907

■ 5.5148, 0.1666,
0.2224

■ 154.6806, 0.2586,
0.2936

■ 2.5524, 0.1356,
0.1948

■ 191.9133, 0.2622,
0.2961

■ 0.9028, 0.0853,
0.1528

■ 234.6872, 0.2653,

■ 0.0000, 0.0000,

0.2983

0.0000

283.3867, 0.2681,
0.3002

■ 38.1811, 0.2289,
0.2722

■ 38.1811, 0.2289,
0.2722

■ 34.6544, 0.2178,
0.2603

■ 42.1559, 0.2416,
0.2837

■ 31.5420, 0.2085,
0.2483

■ 46.6006, 0.2555,
0.2946

■ 28.8111, 0.2013,
0.2363

■ 51.5405, 0.2702,
0.3048

■ 26.4149, 0.1960,
0.2245

■ 56.9973, 0.2855,
0.3143

■ 25.8884, 0.1949,
0.2217

■ 62.9915, 0.3009,
0.3229

■ 69.5420, 0.3163,
0.3307

■ 76.6670, 0.3313,
0.3377

■ 82.8299, 0.3401,
0.3442

■ 86.6716, 0.3390,
0.3508

Harmonies

Analogous

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



38.1811, 0.2323, 0.3064



38.1811, 0.2289, 0.2722



38.1811, 0.2456, 0.2558

Triad

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



38.1811, 0.2289, 0.2722



38.1811, 0.3710, 0.3050



38.1811, 0.3409, 0.4126

Complementary

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



38.1811, 0.2289, 0.2722



31.1781, 0.4567, 0.3756

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.



38.1811, 0.3811, 0.4049



38.1811, 0.2289, 0.2722



38.1811, 0.4003, 0.3413

Square

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



38.1811, 0.2289, 0.2722



38.1811, 0.3258, 0.2753



38.1811, 0.4036, 0.3775



38.1811, 0.2949, 0.3931

Rectangle

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



38.1811, 0.2289, 0.2722



38.1811, 0.2668, 0.2551



38.1811, 0.4036, 0.3775



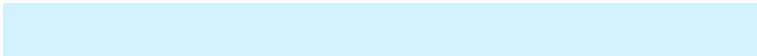
38.1811, 0.3556, 0.4129

Sweetspot

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



38.1825, 0.2289, 0.2722



84.2891, 0.2863, 0.3148



52.3995, 0.2858, 0.4604



17.6775, 0.2832, 0.3129



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.



38.1825, 0.2289, 0.2722



50.0256, 0.2158, 0.2580



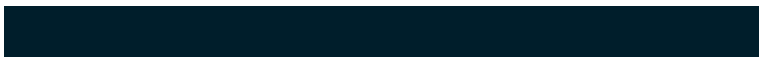
19.5789, 0.2087, 0.1792



13.4180, 0.2982, 0.3215



15.6788, 0.1954, 0.2235



1.0909, 0.2011, 0.2439

Inverse Universe

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



25.0681, 0.3650, 0.2310



31.0124, 0.3806, 0.2169



52.1266, 0.4103, 0.4421



12.5631, 0.3185, 0.3132



9.9276, 0.4195, 0.2084



0.6135, 0.3983, 0.1968

Previews

White Background



This preview shows how the Yxy color 38.1811, 0.2289, 0.2722 looks on a white background.

Color Contrast Check

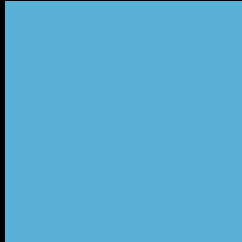
Large Text (above 18pt) WCAG AA × Fail

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 38.1811, 0.2289, 0.2722 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 38.1811, 0.2289, 0.2722

Background



This preview shows how black text looks on a background with the Yxy color 38.1811, 0.2289, 0.2722.



This preview shows how white text looks on a background with the Yxy color 38.1811, 0.2289, 0.2722.

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

38.1811, 0.2289, 0.2722

Protanopia

37.6192, 0.2715, 0.2706

Deuteranopia

37.9317, 0.2611, 0.2559



Tritanopia

38.3314, 0.2368, 0.3073

Trichromacy



Original Color

38.1811, 0.2289, 0.2722

Protanomaly

37.5142, 0.2533, 0.2713

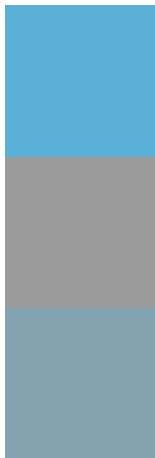
Deuteranomaly

37.7608, 0.2472, 0.2612

Tritanomaly

38.4358, 0.2337, 0.2942

Monochromacy



Original Color

38.1811, 0.2289, 0.2722

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.2742, 0.2742, 0.3076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1811, 0.2289, 0.2722 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(91, 176, 215)` looks like.

```
.text, #text, p{  
    color:rgb(91, 176, 215)  
}
```

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(91, 176, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 176, 215) }
```

Border

The CSS property to change the border of an element to Yxy 38.1811, 0.2289, 0.2722 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(91, 176, 215) }
```

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

```
.border{ border-color:rgb(91, 176, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 176, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 176, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 176, 215);  
box-shadow:4px 4px 4px 4px rgb(91, 176,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1811, 0.2289, 0.2722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 176, 215) }
```

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

```
.background{ background-color: rgb(91, 176,  
215) }
```

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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