

Converting Colors

$Y_{xy}(38.2612, 0.2322, 0.2792)$

Have a look what the booklet for
Yxy(38.2612, 0.2322, 0.2792)
contains.

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Color

Yxy(38.4246, 0.2326, 0.2805)

Conversions

Conversions Part 1

Format	Color
Hex	5DB1D2
RGB	93, 177, 210
RGB Percent	36%, 69%, 82%
CMY	0.6355, 0.3058, 0.1765
CMYK	0.56, 0.16, 0.00, 0.18
HSL	197°, 57%, 59%
HSV	197°, 56%, 82%
XYZ	31.8630, 38.4246, 66.6985
YIQ	155.6460, -60.6570, -7.5450

Conversions

Conversions Part 2

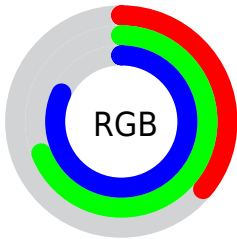
Format	Color
RYB	93, 142, 210
Decimal	6140370
CIELab	68.33, -16.16, -24.46
CIElCh	68, 29.315, 236.538
Yxy	38.4246, 0.2326, 0.2805
Android (android.graphics.Color)	4284330450 (0xFF5DB1D2)
YUV	155.6460, 26.7965, -54.9405
Hunter-Lab	61.9876, -16.7254, -20.4046

Details

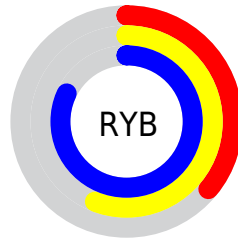
The Yxy color **38.4246, 0.2326, 0.2805** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **29.3889, 0.4528, 0.3696**, and the grayscale version is **32.9734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0771, 0.2525, 0.3036**, and **16.9524, 0.2103, 0.2650** is the 20% darker color. If you saturate the color by 10%, you get **35.1907, 0.2216, 0.2701**, and if you desaturate by 10%, it is **42.0634, 0.2451, 0.2906**.

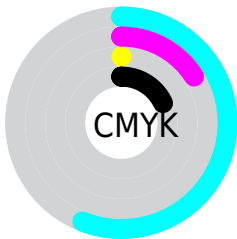
Distribution



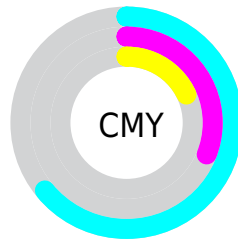
- Red (36%)
- Green (69%)
- Blue (82%)



- Red (36%)
- Yellow (56%)
- Blue (82%)



- Cyan (56%)
- Magenta (16%)
- Yellow (0%)
- Black (18%)




- Cyan (64%)
- Magenta (31%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4246, 0.2326, 0.2805 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 38.4246, 0.2326, 0.2805 by changing the saturation by 10% instead.


 38.4246, 0.2326,
0.2805


 38.4246, 0.2326,
0.2805


339.4379, 0.2725,
0.3061


 26.3124, 0.2228,
0.2738


 72.7585, 0.2470,
0.2901


 17.0575, 0.2104,
0.2650


 95.7489, 0.2525,
0.2936

 10.2755, 0.1941,
0.2531


 123.1343, 0.2571,
0.2965

 5.5820, 0.1722,
0.2362

 155.2989, 0.2610,
0.2990

 2.5926, 0.1416,
0.2108

192.6271, 0.2645,
0.3011

 0.9230, 0.0894,
0.1712

235.5035, 0.2675,

 0.0000, 0.0000,

0.3030

0.0000

284.3123, 0.2702,
0.3046

■ 38.4246, 0.2326,
0.2805

■ 38.4246, 0.2326,
0.2805

■ 35.1907, 0.2216,
0.2701

■ 42.0634, 0.2451,
0.2906

■ 32.3308, 0.2125,
0.2594

■ 46.1265, 0.2588,
0.3002

■ 29.8157, 0.2053,
0.2488

■ 50.6367, 0.2734,
0.3091

■ 27.6077, 0.2002,
0.2383

■ 55.6140, 0.2886,
0.3174

■ 26.7306, 0.1983,
0.2338

■ 61.0769, 0.3039,
0.3250

67.0426, 0.3192,
0.3318

73.5275, 0.3343,
0.3379

79.4046, 0.3445,
0.3436

82.6462, 0.3435,
0.3494

Harmonies

Analogous

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



38.4246, 0.2395, 0.3155



38.4246, 0.2326, 0.2805



38.4246, 0.2449, 0.2615

Triad

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



38.4246, 0.2326, 0.2805



38.4246, 0.3603, 0.3005



38.4246, 0.3474, 0.4080

Complementary

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



38.4246, 0.2326, 0.2805



29.3889, 0.4528, 0.3696

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.



38.4246, 0.3828, 0.3969



38.4246, 0.2326, 0.2805



38.4246, 0.3915, 0.3343

Square

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



38.4246, 0.2326, 0.2805



38.4246, 0.3166, 0.2740



38.4246, 0.3997, 0.3691



38.4246, 0.3041, 0.3943

Rectangle

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



38.4246, 0.2326, 0.2805



38.4246, 0.2631, 0.2586



38.4246, 0.3997, 0.3691



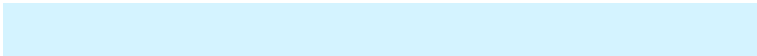
38.4246, 0.3606, 0.4068

Sweetspot

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



38.4260, 0.2326, 0.2805



85.1394, 0.2864, 0.3163



49.8685, 0.2884, 0.4610



17.8793, 0.2833, 0.3146



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.



38.4260, 0.2326, 0.2805



53.6744, 0.2196, 0.2679



20.4710, 0.2138, 0.1912



12.8206, 0.2983, 0.3223



16.4860, 0.1987, 0.2354



1.0525, 0.2041, 0.2546

Inverse Universe

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



24.6933, 0.3575, 0.2298



32.1226, 0.3711, 0.2141



48.2215, 0.4095, 0.4348



11.9499, 0.3180, 0.3124



9.7355, 0.4071, 0.2016



0.5575, 0.3877, 0.1909

Previews

White Background



This preview shows how the Yxy color 38.4246, 0.2326, 0.2805 looks on a white background.

Color Contrast Check

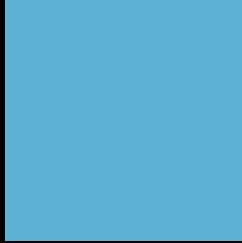
Large Text (above 18pt) WCAG AA × Fail

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 38.4246, 0.2326, 0.2805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

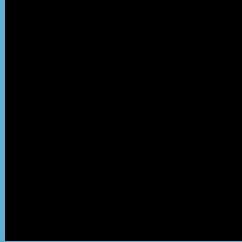
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.4246, 0.2326, 0.2805

Background



This preview shows how black text looks on a background with the Yxy color 38.4246, 0.2326, 0.2805.

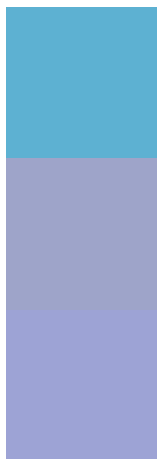


This preview shows how white text looks on a background with the Yxy color 38.4246, 0.2326, 0.2805.

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

38.4246, 0.2326, 0.2805

Protanopia

38.0371, 0.2777, 0.2785

Deuteranopia

38.1666, 0.2682, 0.2624



Tritanopia

38.5638, 0.2390, 0.3074

Trichromacy



Original Color

38.4246, 0.2326, 0.2805

Protanomaly

37.8039, 0.2581, 0.2794

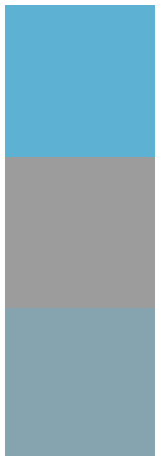
Deuteranomaly

37.8271, 0.2529, 0.2678

Tritanomaly

38.5342, 0.2365, 0.2972

Monochromacy



Original Color

38.4246, 0.2326, 0.2805

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.6721, 0.2758, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4246, 0.2326, 0.2805 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(93, 177, 210)` looks like.

```
.text, #text, p{  
    color:rgb(93, 177, 210)  
}
```

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(93, 177, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 177, 210) }
```

Border

The CSS property to change the border of an element to Yxy 38.4246, 0.2326, 0.2805 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(93, 177, 210) }
```

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

```
.border{ border-color:rgb(93, 177, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 177, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 177, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 177, 210);  
box-shadow:4px 4px 4px 4px rgb(93, 177,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4246, 0.2326, 0.2805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 177, 210) }
```

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

```
.background{ background-color: rgb(93, 177,  
210) }
```

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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