

Converting Colors

$Y_{xy}(38.1694, 0.2245, 0.2952)$

Have a look what the booklet for
Yxy(38.1694, 0.2245, 0.2952)
contains.

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Color

Yxy(38.2894, 0.2243, 0.2951)

Conversions

Conversions Part 1

Format	Color
Hex	3BB5CB
RGB	59, 181, 203
RGB Percent	23%, 71%, 80%
CMY	0.7690, 0.2902, 0.2039
CMYK	0.71, 0.11, 0.00, 0.20
HSL	189°, 58%, 51%
HSV	189°, 71%, 80%
XYZ	29.1031, 38.2894, 62.3581
YIQ	147.0300, -79.7740, -19.0220

Conversions

Conversions Part 2

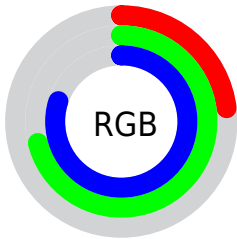
Format	Color
RYB	59, 125, 203
Decimal	3913163
CIELab	68.23, -26.07, -20.86
CIELCh	68, 33.387, 218.664
Yxy	38.2894, 0.2243, 0.2951
Android (android.graphics.Color)	4282103243 (0xFF3BB5CB)
YUV	147.0300, 27.5932, -77.2023
Hunter-Lab	61.8784, -24.3340, -16.4347




Details

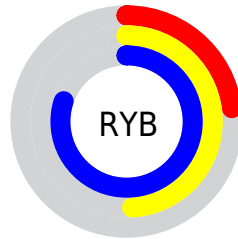
The Yxy color **38.2894, 0.2243, 0.2951** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **18.8831, 0.5298, 0.3529**, and the grayscale version is **29.0903, 0.3127, 0.3290**.




A 20% lighter version of the original color is **72.1483, 0.2422, 0.3077**, and **17.6083, 0.2124, 0.2845** is the 20% darker color. If you saturate the color by 10%, you get **36.5412, 0.2180, 0.2897**, and if you desaturate by 10%, it is **40.3094, 0.2325, 0.3005**.

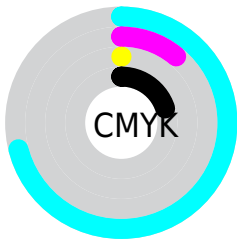
Distribution







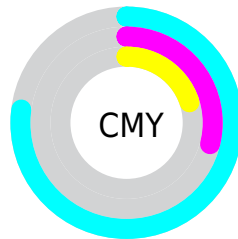
-  Red (23%)
-  Green (71%)
-  Blue (80%)






-  Red (23%)
-  Yellow (49%)
-  Blue (80%)



-  Cyan (71%)
-  Magenta (11%)
-  Yellow (0%)
-  Black (20%)




-  Cyan (77%)
-  Magenta (29%)
-  Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.2894, 0.2243, 0.2951 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 38.2894, 0.2243, 0.2951 by changing the saturation by 10% instead.


 38.2894, 0.2243,
0.2951

 38.2894, 0.2243,
0.2951


338.8598, 0.2683,
0.3138


 26.2074, 0.2135,
0.2899


 72.5515, 0.2401,
0.3023

 16.9788, 0.1999,
0.2830


 95.5004, 0.2461,
0.3049

 10.2194, 0.1822,
0.2733


 122.8403, 0.2512,
0.3070

 5.5447, 0.1584,
0.2590

 154.9557, 0.2556,
0.3088

 2.5702, 0.1254,
0.2364

 192.2309, 0.2594,
0.3103

 0.9117, 0.0512,
0.2032

235.0504, 0.2627,

 0.0000, 0.0000,

0.3117

0.0000

283.7986, 0.2657,
0.3128

■ 38.2894, 0.2243,
0.2951

■ 38.2894, 0.2243,
0.2951

■ 36.5412, 0.2180,
0.2897

■ 40.3094, 0.2325,
0.3005

■ 35.0305, 0.2136,
0.2843

■ 42.6222, 0.2425,
0.3058

■ 33.8235, 0.2110,
0.2794

■ 45.2513, 0.2541,
0.3110

■ 48.2164, 0.2671,
0.3159

■ 51.5356, 0.2812,
0.3205

■ 55.2257, 0.2960,
0.3247

■ 59.3022, 0.3112,
0.3286

■ 63.7798, 0.3266,
0.3322

■ 68.6722, 0.3420,
0.3353

Harmonies

Analogous

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



38.2894, 0.2446, 0.3425



38.2894, 0.2243, 0.2951



38.2894, 0.2254, 0.2627

Triad

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



38.2894, 0.2243, 0.2951



38.2894, 0.3377, 0.2776



38.2894, 0.3776, 0.4143

Complementary

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



38.2894, 0.2243, 0.2951



18.8831, 0.5298, 0.3529

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.



38.2894, 0.4070, 0.3880



38.2894, 0.2243, 0.2951



38.2894, 0.3840, 0.3112

Square

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



38.2894, 0.2243, 0.2951



38.2894, 0.2874, 0.2557



38.2894, 0.4100, 0.3504



38.2894, 0.3320, 0.4171

Rectangle

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



38.2894, 0.2243, 0.2951



38.2894, 0.2379, 0.2519



38.2894, 0.4100, 0.3504



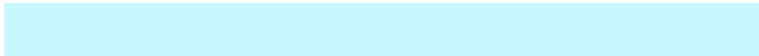
38.2894, 0.3898, 0.4075

Sweetspot

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



38.2908, 0.2243, 0.2951



86.1152, 0.2807, 0.3203



44.2278, 0.2939, 0.5279



18.0873, 0.2767, 0.3191



0.0000, 0.0000, 0.0000



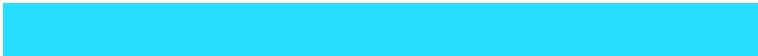
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.2908, 0.2243, 0.2951



59.8343, 0.2155, 0.2869



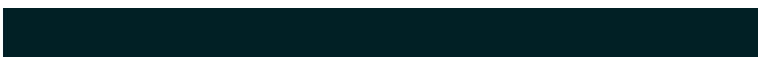
16.2502, 0.1944, 0.1747



12.4239, 0.2983, 0.3254



21.6319, 0.2112, 0.2802



1.1969, 0.2141, 0.2907

Inverse Universe

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



19.1527, 0.3478, 0.1929



27.9316, 0.3565, 0.1807



35.6546, 0.4510, 0.4377



11.3732, 0.3161, 0.3096



9.9867, 0.3633, 0.1775



0.5234, 0.3537, 0.1722

Previews

White Background



This preview shows how the Yxy color 38.2894, 0.2243, 0.2951 looks on a white background.

Color Contrast Check

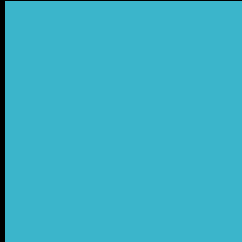
Large Text (above 18pt) WCAG AA × Fail

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 38.2894, 0.2243, 0.2951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

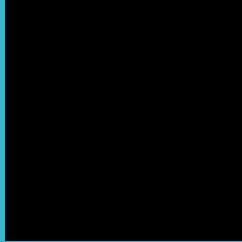
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.2894, 0.2243, 0.2951

Background



This preview shows how black text looks on a background with the Yxy color 38.2894, 0.2243, 0.2951.



This preview shows how white text looks on a background with the Yxy color 38.2894, 0.2243, 0.2951.

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

38.2894, 0.2243, 0.2951

Protanopia

37.7861, 0.2869, 0.2916

Deuteranopia

37.7166, 0.2739, 0.2685



Tritanopia

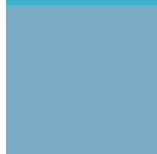
38.2993, 0.2263, 0.3054

Trichromacy



Original Color

38.2894, 0.2243, 0.2951



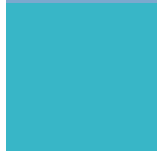
Protanomaly

36.9005, 0.2564, 0.2921



Deuteranomaly

37.0431, 0.2494, 0.2758



Tritanomaly

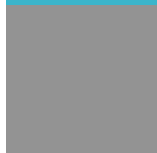
38.4202, 0.2257, 0.3025

Monochromacy



Original Color

38.2894, 0.2243, 0.2951



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

31.2311, 0.2675, 0.3159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2894, 0.2243, 0.2951 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(59, 181, 203)` looks like.

```
.text, #text, p{  
    color:rgb(59, 181, 203)  
}
```

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(59, 181, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 181, 203) }
```

Border

The CSS property to change the border of an element to Yxy 38.2894, 0.2243, 0.2951 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(59, 181, 203) }
```

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

```
.border{ border-color:rgb(59, 181, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 181, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 181, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 181, 203);  
box-shadow:4px 4px 4px 4px rgb(59, 181,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2894, 0.2243, 0.2951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 181, 203) }
```

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

```
.background{ background-color: rgb(59, 181,  
203) }
```

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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