

Converting Colors

$Y_{xy}(38.0498, 0.2216, 0.2932)$

Have a look what the booklet for
Yxy(38.0498, 0.2216, 0.2932)
contains.

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Color

Yxy(38.1112, 0.2217, 0.2935)

Conversions

Conversions Part 1

Format	Color
Hex	33B5CC
RGB	51, 181, 204
RGB Percent	20%, 71%, 80%
CMY	0.7998, 0.2902, 0.2001
CMYK	0.75, 0.11, 0.00, 0.20
HSL	189°, 60%, 50%
HSV	189°, 75%, 80%
XYZ	28.7879, 38.1112, 62.9517
YIQ	144.7520, -84.8630, -20.4070

Conversions

Conversions Part 2

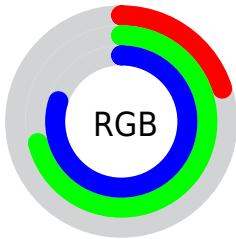
Format	Color
RYB	51, 121, 204
Decimal	3388876
CIELab	68.10, -26.73, -21.61
CIELCh	68, 34.370, 218.958
Yxy	38.1112, 0.2217, 0.2935
Android (android.graphics.Color)	4281578956 (0xFF33B5CC)
YUV	144.7520, 29.2093, -82.2205
Hunter-Lab	61.7343, -24.7969, -17.2452

Details

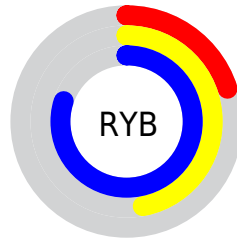
The Yxy color **38.1112, 0.2217, 0.2935** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **17.9765, 0.5473, 0.3521**, and the grayscale version is **28.1217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7814, 0.2403, 0.3076**, and **17.6404, 0.2118, 0.2826** is the 20% darker color. If you saturate the color by 10%, you get **36.4605, 0.2162, 0.2882**, and if you desaturate by 10%, it is **40.0244, 0.2291, 0.2988**.

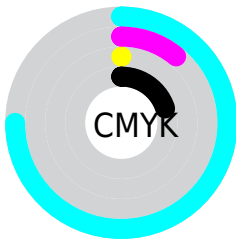
Distribution



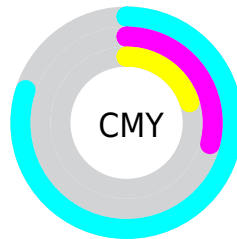
- Red (20%)
- Green (71%)
- Blue (80%)



- Red (20%)
- Yellow (47%)
- Blue (80%)



- Cyan (75%)
- Magenta (11%)
- Yellow (0%)
- Black (20%)





- Cyan (80%)
- Magenta (29%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1112, 0.2217, 0.2935 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 38.1112, 0.2217, 0.2935 by changing the saturation by 10% instead.


 38.1112, 0.2217,
0.2935


 38.1112, 0.2217,
0.2935


338.0967, 0.2669,
0.3131

 26.0690, 0.2107,
0.2881


 72.2785, 0.2380,
0.3010


 16.8753, 0.1967,
0.2808


 95.1725, 0.2441,
0.3037


 10.1456, 0.1786,
0.2707


 122.4525, 0.2494,
0.3060

 5.4956, 0.1543,
0.2558

 154.5029, 0.2539,
0.3079

 2.5409, 0.1209,
0.2323

 191.7081, 0.2578,
0.3095

 0.8970, 0.0442,
0.1981

234.4526, 0.2612,

 0.0000, 0.0000,

0.3108

0.0000

283.1207, 0.2642,
0.3121

■ 38.1112, 0.2217,
0.2935

■ 38.1112, 0.2217,
0.2935

■ 36.4605, 0.2162,
0.2882

■ 40.0244, 0.2291,
0.2988

■ 35.0351, 0.2126,
0.2829

■ 42.2232, 0.2384,
0.3041

■ 34.3724, 0.2112,
0.2802

■ 44.7323, 0.2493,
0.3093

■ 47.5726, 0.2618,
0.3142

■ 50.7631, 0.2754,
0.3188

■ 54.3212, 0.2900,
0.3232

■ 58.2631, 0.3051,
0.3272

■ 62.6039, 0.3205,
0.3308

■ 67.3579, 0.3359,
0.3340

Harmonies

Analogous

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



38.1112, 0.2422, 0.3423



38.1112, 0.2217, 0.2935



38.1112, 0.2231, 0.2604

Triad

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



38.1112, 0.2217, 0.2935



38.1112, 0.3389, 0.2765



38.1112, 0.3790, 0.4170

Complementary

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



38.1112, 0.2217, 0.2935



17.9765, 0.5473, 0.3521

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.



38.1112, 0.4097, 0.3898



38.1112, 0.2217, 0.2935



38.1112, 0.3866, 0.3109

Square

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



38.1112, 0.2217, 0.2935



38.1112, 0.2870, 0.2538



38.1112, 0.4132, 0.3512



38.1112, 0.3319, 0.4199

Rectangle

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



38.1112, 0.2217, 0.2935



38.1112, 0.2360, 0.2496



38.1112, 0.4132, 0.3512



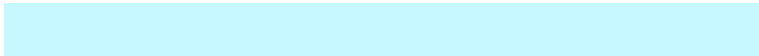
38.1112, 0.3917, 0.4100

Sweetspot

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



38.1126, 0.2217, 0.2935



85.6077, 0.2793, 0.3200



44.3755, 0.2938, 0.5390



17.9905, 0.2754, 0.3188



0.0000, 0.0000, 0.0000



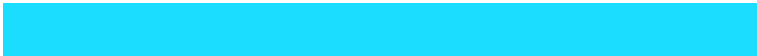
21.4041, 0.3127, 0.3290

Same Dimension

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



38.1126, 0.2217, 0.2935



58.8910, 0.2138, 0.2849



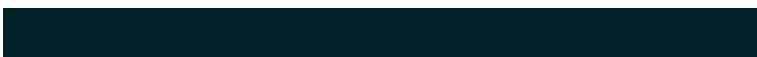
15.0822, 0.1888, 0.1649



12.4286, 0.2983, 0.3254



21.7481, 0.2114, 0.2810



1.2019, 0.2143, 0.2913

Inverse Universe

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



18.5436, 0.3497, 0.1884



27.1715, 0.3587, 0.1785



35.0329, 0.4589, 0.4407



11.3736, 0.3160, 0.3095



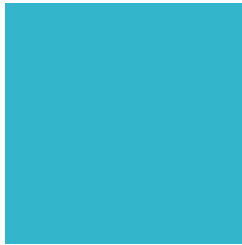
9.9985, 0.3626, 0.1771



0.5239, 0.3532, 0.1719

Previews

White Background



This preview shows how the Yxy color 38.1112, 0.2217, 0.2935 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 38.1112, 0.2217, 0.2935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

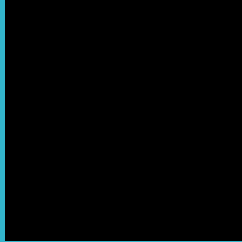
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.1112, 0.2217, 0.2935

Background



This preview shows how black text looks on a background with the Yxy color 38.1112, 0.2217, 0.2935.



This preview shows how white text looks on a background with the Yxy color 38.1112, 0.2217, 0.2935.

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

38.1112, 0.2217, 0.2935

Protanopia

37.3711, 0.2852, 0.2888

Deuteranopia

37.6638, 0.2724, 0.2671



Tritanopia

38.0450, 0.2238, 0.3053

Trichromacy



Original Color

38.1112, 0.2217, 0.2935



Protanomaly

36.7280, 0.2538, 0.2905



Deuteranomaly

36.8029, 0.2462, 0.2741



Tritanomaly

38.2304, 0.2229, 0.3008

Monochromacy



Original Color

38.1112, 0.2217, 0.2935



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

30.5864, 0.2649, 0.3157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1112, 0.2217, 0.2935 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(51, 181, 204)` looks like.

```
.text, #text, p{  
    color:rgb(51, 181, 204)  
}
```

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(51, 181, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 181, 204) }
```

Border

The CSS property to change the border of an element to Yxy 38.1112, 0.2217, 0.2935 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(51, 181, 204) }
```

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

```
.border{ border-color:rgb(51, 181, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 181, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 181, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 181, 204);  
box-shadow:4px 4px 4px 4px rgb(51, 181,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1112, 0.2217, 0.2935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 181, 204) }
```

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

```
.background{ background-color: rgb(51, 181,  
204) }
```

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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