

Converting Colors

$Y_{xy}(38.3829, 0.2289, 0.3204)$

Have a look what the booklet for
Yxy(38.3829, 0.2289, 0.3204)
contains.

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Color

Yxy(38.5835, 0.2290, 0.3208)

Conversions

Conversions Part 1

Format	Color
Hex	30B8BD
RGB	48, 184, 189
RGB Percent	19%, 72%, 74%
CMY	0.8121, 0.2784, 0.2588
CMYK	0.75, 0.03, 0.00, 0.26
HSL	182°, 60%, 46%
HSV	182°, 75%, 74%
XYZ	27.5425, 38.5835, 54.1468
YIQ	143.9060, -82.6610, -27.2770

Conversions

Conversions Part 2

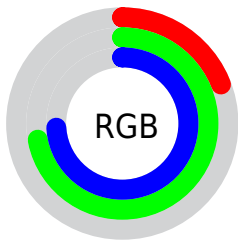
Format	Color
R_{YB}	48, 117, 189
Decimal	3193021
CIE _{Lab}	68.45, -33.13, -12.85
CIE _{LCh}	68, 35.537, 201.202
Yxy	38.5835, 0.2290, 0.3208
Android (android.graphics.Color)	4281383101 (0xFF30B8BD)
YUV	143.9060, 22.2313, -84.1096
Hunter-Lab	62.1156, -29.5543, -8.2027

Details

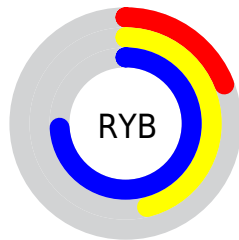
The Yxy color **38.5835, 0.2290, 0.3208** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **13.5723, 0.5618, 0.3345**, and the grayscale version is **27.7752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6947, 0.2441, 0.3228**, and **17.7428, 0.2210, 0.3155** is the 20% darker color. If you saturate the color by 10%, you get **37.9420, 0.2249, 0.3196**, and if you desaturate by 10%, it is **39.4247, 0.2350, 0.3220**.

Distribution



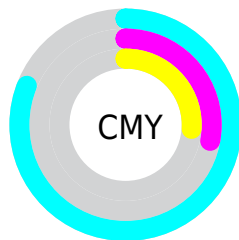
- Red (19%)
- Green (72%)
- Blue (74%)



- Red (19%)
- Yellow (46%)
- Blue (74%)



- Cyan (75%)
- Magenta (3%)
- Yellow (0%)
- Black (26%)





- Cyan (81%)
- Magenta (28%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5835, 0.2290, 0.3208 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 38.5835, 0.2290, 0.3208 by changing the saturation by 10% instead.


 38.5835, 0.2290,
0.3208


 38.5835, 0.2290,
0.3208


340.1165, 0.2709,
0.3263

 26.4359, 0.2186,
0.3190


 73.0016, 0.2442,
0.3231


 17.1500, 0.2054,
0.3163


 96.0409, 0.2499,
0.3239

 10.3415, 0.1880,
0.3123


 123.4795, 0.2548,
0.3245

 5.6260, 0.1644,
0.3057

 155.7018, 0.2589,
0.3250

 2.6190, 0.1309,
0.2937

 193.0923, 0.2625,
0.3254

 0.9362, 0.0244,
0.2853

236.0353, 0.2657,

 0.0000, 0.0000,

0.3258

0.0000

284.9152, 0.2684,
0.3260

■ 38.5835, 0.2290,
0.3208

■ 38.5835, 0.2290,
0.3208

■ 37.9420, 0.2249,
0.3196

■ 39.4247, 0.2350,
0.3220

■ 37.4692, 0.2225,
0.3185

■ 40.4836, 0.2428,
0.3232

■ 37.2565, 0.2216,
0.3179

■ 41.7808, 0.2525,
0.3244

■ 43.3332, 0.2639,
0.3255

■ 45.1566, 0.2767,
0.3266

■ 47.2650, 0.2907,
0.3276

■ 49.6719, 0.3056,
0.3286

■ 52.3896, 0.3210,
0.3295

■ 55.4298, 0.3368,
0.3303

Harmonies

Analogous

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



38.5835, 0.2623, 0.3742



38.5835, 0.2290, 0.3208



38.5835, 0.2171, 0.2761

Triad

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



38.5835, 0.2290, 0.3208



38.5835, 0.3074, 0.2595



38.5835, 0.4024, 0.4050

Complementary

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



38.5835, 0.2290, 0.3208



13.5723, 0.5618, 0.3345

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.



38.5835, 0.4185, 0.3685



38.5835, 0.2290, 0.3208



38.5835, 0.3613, 0.2883

Square

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



38.5835, 0.2290, 0.3208



38.5835, 0.2592, 0.2458



38.5835, 0.4034, 0.3268



38.5835, 0.3623, 0.4246

Rectangle

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



38.5835, 0.2290, 0.3208



38.5835, 0.2217, 0.2567



38.5835, 0.4034, 0.3268



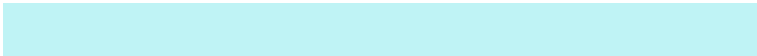
38.5835, 0.4110, 0.3940

Sweetspot

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



38.5849, 0.2290, 0.3208



81.6843, 0.2798, 0.3268



37.2808, 0.3002, 0.5582



17.3584, 0.2762, 0.3265



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



38.5849, 0.2290, 0.3208



67.3388, 0.2231, 0.3188



16.2818, 0.1972, 0.1959



10.7499, 0.2985, 0.3281



25.0881, 0.2217, 0.3180



1.0010, 0.2224, 0.3208

Inverse Universe

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



16.3885, 0.3266, 0.1744



26.1632, 0.3290, 0.1618



25.2407, 0.4770, 0.4206



9.6903, 0.3143, 0.3072



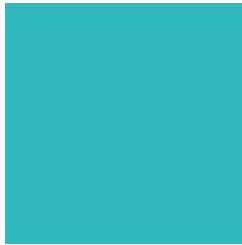
9.5623, 0.3299, 0.1591



0.3764, 0.3276, 0.1578

Previews

White Background



This preview shows how the Yxy color 38.5835, 0.2290, 0.3208 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 38.5835, 0.2290, 0.3208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

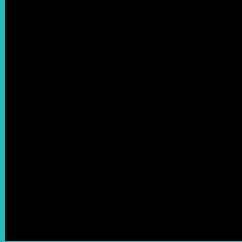
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

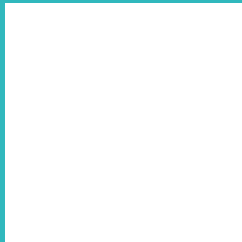
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.5835, 0.2290, 0.3208

Background



This preview shows how black text looks on a background with the Yxy color 38.5835, 0.2290, 0.3208.

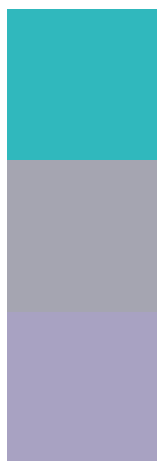


This preview shows how white text looks on a background with the Yxy color 38.5835, 0.2290, 0.3208.

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

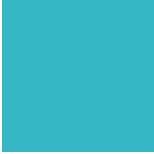
38.5835, 0.2290, 0.3208

Protanopia

38.0839, 0.3025, 0.3122

Deuteranopia

38.0605, 0.2913, 0.2857



Tritanopia

38.7285, 0.2260, 0.3055

Trichromacy



Original Color

38.5835, 0.2290, 0.3208



Protanomaly

36.9788, 0.2653, 0.3152



Deuteranomaly

36.8403, 0.2590, 0.2963



Tritanomaly

38.5372, 0.2268, 0.3100

Monochromacy



Original Color

38.5835, 0.2290, 0.3208



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

30.5855, 0.2680, 0.3272

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5835, 0.2290, 0.3208 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(48, 184, 189)` looks like.

```
.text, #text, p{  
    color:rgb(48, 184, 189)  
}
```

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(48, 184, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 184, 189) }
```

Border

The CSS property to change the border of an element to Yxy 38.5835, 0.2290, 0.3208 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(48, 184, 189) }
```

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

```
.border{ border-color:rgb(48, 184, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 184, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 184, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 184, 189);  
box-shadow:4px 4px 4px 4px rgb(48, 184,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5835, 0.2290, 0.3208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 184, 189) }
```

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

```
.background{ background-color: rgb(48, 184,  
189) }
```

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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