

Converting Colors

$Y_{xy}(30.2996, 0.1136, 0.2836)$

Have a look what the booklet for
Yxy(30.2996, 0.1136, 0.2836)
contains.

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Color

Yxy(38.7860, 0.2148, 0.2934)

Conversions

Conversions Part 1

Format	Color
Hex	00B8CF
RGB	0, 184, 207
RGB Percent	0%, 72%, 81%
CMY	1.0000, 0.2784, 0.1883
CMYK	1.00, 0.11, 0.00, 0.19
HSL	187°, 100%, 41%
HSV	187°, 100%, 81%
XYZ	28.3955, 38.7860, 65.0135
YIQ	131.6060, -117.0470, -31.8550

Conversions

Conversions Part 2

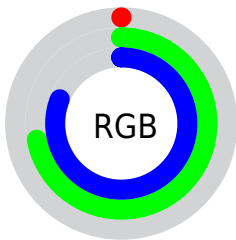
Format	Color
RYB	0, 97, 207
Decimal	47311
CIELab	68.60, -30.39, -22.56
CIELCh	69, 37.845, 216.590
Yxy	38.7860, 0.2148, 0.2934
Android (android.graphics.Color)	4278237391 (0xFF00B8CF)
YUV	131.6060, 37.1692, -115.4185
Hunter-Lab	62.2784, -27.6012, -18.2989

Details

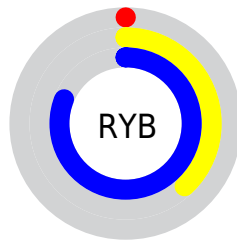
The Yxy color **38.7860, 0.2148, 0.2934** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **13.8756, 0.6317, 0.3367**, and the grayscale version is **22.8235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4832, 0.2356, 0.3109**, and **18.2652, 0.2115, 0.2813** is the 20% darker color. If you saturate the color by 10%, you get **38.7915, 0.2148, 0.2934**, and if you desaturate by 10%, it is **39.9100, 0.2174, 0.2972**.

Distribution



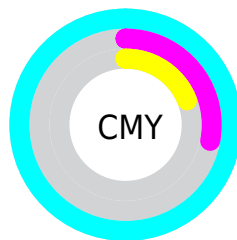
- Red (0%)
- Green (72%)
- Blue (81%)



- Red (0%)
- Yellow (38%)
- Blue (81%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (19%)





- Cyan (100%)
- Magenta (28%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7860, 0.2148, 0.2934 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 38.7860, 0.2148, 0.2934 by changing the saturation by 10% instead.


 38.7860, 0.2148,
0.2934


 38.7860, 0.2148,
0.2934


340.9798, 0.2631,
0.3132


 26.5933, 0.2031,
0.2879


 73.3113, 0.2321,
0.3011

 17.2680, 0.1885,
0.2805


 96.4127, 0.2387,
0.3038

 10.4258, 0.1696,
0.2701

 123.9190, 0.2443,
0.3061

 5.6822, 0.1446,
0.2549

 156.2148, 0.2491,
0.3080

 2.6528, 0.1108,
0.2309

 193.6844, 0.2533,
0.3096

 0.9533, 0.0336,
0.1966

236.7121, 0.2570,

 0.0000, 0.0000,

0.3110

0.0000

285.6825, 0.2602,
0.3122

■ 38.7860, 0.2148,
0.2934

■ 38.7860, 0.2148,
0.2934

■ 38.7915, 0.2148,
0.2934

■ 39.9100, 0.2174,
0.2972

■ 41.2115, 0.2214,
0.3010

■ 42.7527, 0.2273,
0.3049

■ 44.5645, 0.2351,
0.3088

■ 46.6728, 0.2447,
0.3126

■ 49.1004, 0.2560,
0.3163

■ 51.8677, 0.2688,
0.3198

■ 54.9935, 0.2827,
0.3231

■ 58.4951, 0.2974,
0.3262

Harmonies

Analogous

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



38.7860, 0.2385, 0.3479



38.7860, 0.2148, 0.2934



38.7860, 0.2146, 0.2561

Triad

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



38.7860, 0.2148, 0.2934



38.7860, 0.3366, 0.2695



38.7860, 0.3882, 0.4233

Complementary

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



38.7860, 0.2148, 0.2934



13.8756, 0.6317, 0.3367

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.



38.7860, 0.4200, 0.3915



38.7860, 0.2148, 0.2934



38.7860, 0.3901, 0.3058

Square

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



38.7860, 0.2148, 0.2934



38.7860, 0.2804, 0.2464



38.7860, 0.4216, 0.3489



38.7860, 0.3375, 0.4301

Rectangle

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



38.7860, 0.2148, 0.2934



38.7860, 0.2272, 0.2436



38.7860, 0.4216, 0.3489



38.7860, 0.4015, 0.4147

Sweetspot

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



38.7915, 0.2148, 0.2934



82.9659, 0.2683, 0.3196



44.6733, 0.2982, 0.5937



17.3402, 0.2627, 0.3182



0.0000, 0.0000, 0.0000



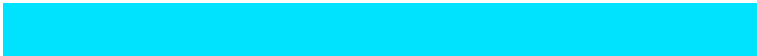
21.4041, 0.3127, 0.3290

Same Dimension

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



38.7915, 0.2148, 0.2934



61.9924, 0.2147, 0.2930



10.6597, 0.1680, 0.1249



13.1736, 0.2983, 0.3263



24.5299, 0.2150, 0.2939



1.4370, 0.2169, 0.3009

Inverse Universe

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



16.7251, 0.3513, 0.1709



26.7893, 0.3517, 0.1711



27.7276, 0.5126, 0.4312



11.9855, 0.3154, 0.3086



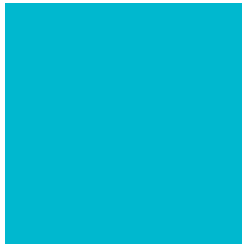
10.5476, 0.3508, 0.1706



0.5964, 0.3446, 0.1672

Previews

White Background



This preview shows how the Yxy color 38.7860, 0.2148, 0.2934 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 38.7860, 0.2148, 0.2934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

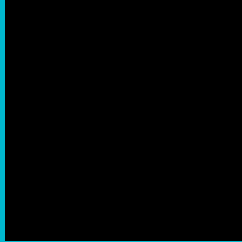
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.7860, 0.2148, 0.2934

Background



This preview shows how black text looks on a background with the Yxy color 38.7860, 0.2148, 0.2934.



This preview shows how white text looks on a background with the Yxy color 38.7860, 0.2148, 0.2934.

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

38.7860, 0.2148, 0.2934

Protanopia

38.3824, 0.2855, 0.2892

Deuteranopia

38.2170, 0.2697, 0.2637



Tritanopia

38.8681, 0.2181, 0.3053

Trichromacy



Original Color

38.7860, 0.2148, 0.2934



Protanomaly

36.4533, 0.2415, 0.2883



Deuteranomaly

36.5457, 0.2347, 0.2718



Tritanomaly

39.0097, 0.2169, 0.3008

Monochromacy



Original Color

38.7860, 0.2148, 0.2934



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.5212, 0.2488, 0.3145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7860, 0.2148, 0.2934 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(0, 184, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 207)  
}
```

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(0, 184, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 207) }
```

Border

The CSS property to change the border of an element to Yxy 38.7860, 0.2148, 0.2934 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(0, 184, 207) }
```

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

```
.border{ border-color:rgb(0, 184, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 184, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7860, 0.2148, 0.2934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 207) }
```

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

```
.background{ background-color: rgb(0, 184,  
207) }
```

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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