

Converting Colors

$Y_{xy}(38.3678, 0.2157, 0.2967)$

Have a look what the booklet for
Yxy(38.3678, 0.2157, 0.2967)
contains.

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Color

Yxy(38.2266, 0.2156, 0.2961)

Conversions

Conversions Part 1

Format	Color
Hex	00B7CC
RGB	0, 183, 204
RGB Percent	0%, 72%, 80%
CMY	0.9993, 0.2824, 0.2000
CMYK	1.00, 0.10, 0.00, 0.20
HSL	186°, 100%, 40%
HSV	186°, 100%, 80%
XYZ	27.8340, 38.2266, 63.0397
YIQ	130.6770, -115.8090, -32.2650

Conversions

Conversions Part 2

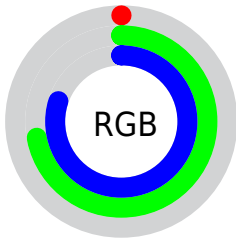
Format	Color
RYB	0, 96, 204
Decimal	47052
CIELab	68.19, -30.84, -21.54
CIELCh	68, 37.620, 214.932
Yxy	38.2266, 0.2156, 0.2961
Android (android.graphics.Color)	4278237132 (0xFF00B7CC)
YUV	130.6770, 36.1482, -114.6037
Hunter-Lab	61.8277, -27.8400, -17.1729

Details

The Yxy color **38.2266, 0.2156, 0.2961** 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 **13.3813, 0.6323, 0.3361**, and the grayscale version is **22.4958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8366, 0.2350, 0.3097**, and **18.1673, 0.2131, 0.2870** is the 20% darker color. If you saturate the color by 10%, you get **38.2192, 0.2156, 0.2961**, and if you desaturate by 10%, it is **39.2554, 0.2181, 0.2996**.

Distribution



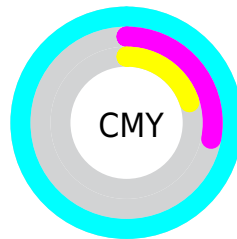
- Red (0%)
- Green (72%)
- Blue (80%)



- Red (0%)
- Yellow (38%)
- Blue (80%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (20%)




- Cyan (100%)
- Magenta (28%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2266, 0.2156, 0.2961 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 38.2266, 0.2156, 0.2961 by changing the saturation by 10% instead.

 38.2266, 0.2156,
0.2961


 38.2266, 0.2156,
0.2961


338.5910, 0.2637,
0.3146


 26.1586, 0.2039,
0.2909

 72.4553, 0.2329,
0.3033


 16.9423, 0.1892,
0.2838


 95.3848, 0.2394,
0.3059

 10.1934, 0.1702,
0.2739


 122.7037, 0.2450,
0.3080

 5.5274, 0.1450,
0.2592

 154.7962, 0.2498,
0.3097

 2.5599, 0.1108,
0.2357

 192.0468, 0.2539,
0.3112

 0.9065, 0.0244,
0.2034

234.8398, 0.2576,

 0.0000, 0.0000,

0.3125

0.0000

283.5598, 0.2608,
0.3136

■ 38.2266, 0.2156,
0.2961

■ 38.2266, 0.2156,
0.2961

■ 38.2192, 0.2156,
0.2961

■ 39.2554, 0.2181,
0.2996

■ 40.4583, 0.2220,
0.3031

■ 41.8913, 0.2278,
0.3067

■ 43.5840, 0.2355,
0.3103

■ 45.5614, 0.2451,
0.3138

■ 47.8455, 0.2563,
0.3172

■ 50.4560, 0.2690,
0.3205

■ 53.4108, 0.2829,
0.3235

■ 56.7267, 0.2976,
0.3264

Harmonies

Analogous

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



38.2266, 0.2406, 0.3511



38.2266, 0.2156, 0.2961



38.2266, 0.2141, 0.2577

Triad

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



38.2266, 0.2156, 0.2961



38.2266, 0.3333, 0.2679



38.2266, 0.3905, 0.4220

Complementary

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



38.2266, 0.2156, 0.2961



13.3813, 0.6323, 0.3361

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.



38.2266, 0.4209, 0.3892



38.2266, 0.2156, 0.2961



38.2266, 0.3875, 0.3036

Square

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



38.2266, 0.2156, 0.2961



38.2266, 0.2776, 0.2457



38.2266, 0.4206, 0.3464



38.2266, 0.3406, 0.4305

Rectangle

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



38.2266, 0.2156, 0.2961



38.2266, 0.2259, 0.2443



38.2266, 0.4206, 0.3464



38.2266, 0.4034, 0.4130

Sweetspot

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



38.2280, 0.2156, 0.2961



83.3373, 0.2684, 0.3203



43.2411, 0.2982, 0.5935



17.4303, 0.2628, 0.3189



0.0000, 0.0000, 0.0000



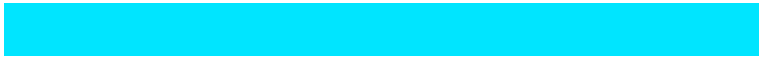
21.4041, 0.3127, 0.3290

Same Dimension

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



38.2280, 0.2156, 0.2961



63.1055, 0.2155, 0.2956



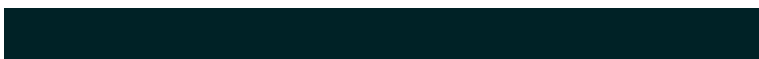
10.3517, 0.1682, 0.1253



12.5218, 0.2983, 0.3265



24.1346, 0.2157, 0.2966



1.3033, 0.2176, 0.3034

Inverse Universe

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



16.2607, 0.3489, 0.1696



26.9017, 0.3493, 0.1698



26.8739, 0.5123, 0.4313



11.3831, 0.3153, 0.3085



10.2394, 0.3485, 0.1693



0.5341, 0.3424, 0.1660

Previews

White Background



This preview shows how the Yxy color 38.2266, 0.2156, 0.2961 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 38.2266, 0.2156, 0.2961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

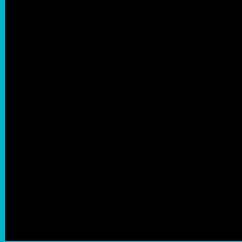
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.2266, 0.2156, 0.2961

Background



This preview shows how black text looks on a background with the Yxy color 38.2266, 0.2156, 0.2961.



This preview shows how white text looks on a background with the Yxy color 38.2266, 0.2156, 0.2961.

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

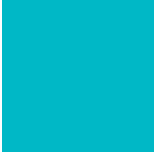
38.2266, 0.2156, 0.2961

Protanopia

37.7861, 0.2869, 0.2916

Deuteranopia

37.7132, 0.2717, 0.2659



Tritanopia

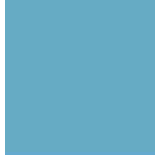
38.3582, 0.2185, 0.3067

Trichromacy



Original Color

38.2266, 0.2156, 0.2961



Protanomaly

35.9361, 0.2429, 0.2909



Deuteranomaly

36.0211, 0.2360, 0.2742



Tritanomaly

38.4511, 0.2177, 0.3037

Monochromacy



Original Color

38.2266, 0.2156, 0.2961



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

26.1203, 0.2485, 0.3144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2266, 0.2156, 0.2961 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, 183, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 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(0, 183, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 204) }
```

Border

The CSS property to change the border of an element to Yxy 38.2266, 0.2156, 0.2961 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, 183, 204) }
```

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

```
.border{ border-color:rgb(0, 183, 204) }
```

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

Here you see how a box with a 4 pixel rgb(0, 183, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2266, 0.2156, 0.2961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 204) }
```

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

```
.background{ background-color: rgb(0, 183,  
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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