

Converting Colors

$Yxy(38.2306, 0.2133, 0.2878)$

Have a look what the booklet for
Yxy(38.2306, 0.2133, 0.2878)
contains.

Yxy(38.0593, 0.2131, 0.2873)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(38.0593, 0.2131, 0.2873)

Conversions

Conversions Part 1

Format	Color
Hex	00B6D1
RGB	0, 182, 209
RGB Percent	0%, 71%, 82%
CMY	1.0000, 0.2862, 0.1804
CMYK	1.00, 0.13, 0.00, 0.18
HSL	188°, 100%, 41%
HSV	188°, 100%, 82%
XYZ	28.2299, 38.0593, 66.1832
YIQ	130.6600, -117.1390, -30.1870

Conversions

Conversions Part 2

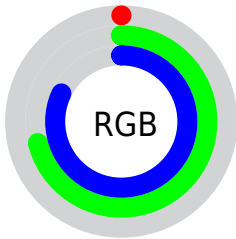
Format	Color
RYB	0, 97, 209
Decimal	46801
CIELab	68.06, -28.75, -24.48
CIELCh	68, 37.756, 220.417
Yxy	38.0593, 0.2131, 0.2873
Android (android.graphics.Color)	4278236881 (0xFF00B6D1)
YUV	130.6600, 38.6216, -114.5888
Hunter-Lab	61.6922, -26.2813, -20.4215

Details

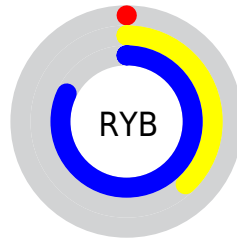
The Yxy color **38.0593, 0.2131, 0.2873** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **14.3397, 0.6296, 0.3383**, and the grayscale version is **22.4640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3121, 0.2351, 0.3085**, and **18.0671, 0.2098, 0.2754** is the 20% darker color. If you saturate the color by 10%, you get **38.0653, 0.2131, 0.2873**, and if you desaturate by 10%, it is **39.3401, 0.2159, 0.2918**.

Distribution



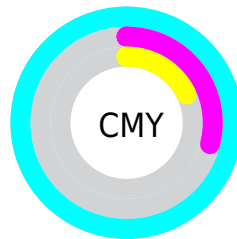
- Red (0%)
- Green (71%)
- Blue (82%)



- Red (0%)
- Yellow (38%)
- Blue (82%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (18%)





- Cyan (100%)
- Magenta (29%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.0593, 0.2131, 0.2873 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 38.0593, 0.2131, 0.2873 by changing the saturation by 10% instead.


 38.0593, 0.2131,
0.2873


 38.0593, 0.2131,
0.2873


337.8743, 0.2623,
0.3103

 26.0287, 0.2012,
0.2810


 72.1990, 0.2307,
0.2961


 16.8451, 0.1863,
0.2726


 95.0769, 0.2374,
0.2993

 10.1241, 0.1671,
0.2610


 122.3394, 0.2431,
0.3019

 5.4813, 0.1418,
0.2440

 154.3709, 0.2480,
0.3041

 2.5324, 0.1077,
0.2178

 191.5557, 0.2523,
0.3060

 0.8928, 0.0297,
0.1805

234.2783, 0.2560,

 0.0000, 0.0000,

0.3076

0.0000

282.9230, 0.2593,
0.3090

■ 38.0593, 0.2131,
0.2873

■ 38.0593, 0.2131,
0.2873

■ 38.0653, 0.2131,
0.2873

■ 39.3401, 0.2159,
0.2918

■ 40.8077, 0.2201,
0.2963

■ 42.5260, 0.2262,
0.3009

■ 44.5266, 0.2343,
0.3054

■ 46.8362, 0.2441,
0.3098

■ 49.4781, 0.2557,
0.3141

■ 52.4733, 0.2686,
0.3183

■ 55.8411, 0.2826,
0.3221

■ 59.5991, 0.2974,
0.3257

Harmonies

Analogous

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



38.0593, 0.2340, 0.3405



38.0593, 0.2131, 0.2873



38.0593, 0.2159, 0.2527

Triad

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



38.0593, 0.2131, 0.2873



38.0593, 0.3441, 0.2733



38.0593, 0.3827, 0.4263

Complementary

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



38.0593, 0.2131, 0.2873



14.3397, 0.6296, 0.3383

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.



38.0593, 0.4179, 0.3966



38.0593, 0.2131, 0.2873



38.0593, 0.3961, 0.3110

Square

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



38.0593, 0.2131, 0.2873



38.0593, 0.2869, 0.2481



38.0593, 0.4238, 0.3546



38.0593, 0.3305, 0.4289

Rectangle

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



38.0593, 0.2131, 0.2873



38.0593, 0.2305, 0.2419



38.0593, 0.4238, 0.3546



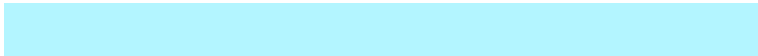
38.0593, 0.3970, 0.4186

Sweetspot

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



38.0653, 0.2131, 0.2873



82.1219, 0.2681, 0.3181



45.6715, 0.2978, 0.5921



17.1356, 0.2625, 0.3164



0.0000, 0.0000, 0.0000



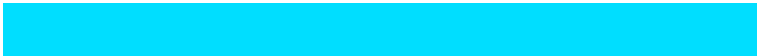
21.4041, 0.3127, 0.3290

Same Dimension

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



38.0653, 0.2131, 0.2873



59.4986, 0.2130, 0.2868



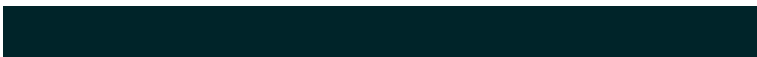
10.3585, 0.1667, 0.1200



13.1357, 0.2983, 0.3259



23.5707, 0.2133, 0.2880



1.3922, 0.2156, 0.2962

Inverse Universe

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



16.9342, 0.3568, 0.1739



26.5376, 0.3572, 0.1742



29.2270, 0.5079, 0.4349



11.9817, 0.3157, 0.3090



10.4507, 0.3562, 0.1736



0.5918, 0.3488, 0.1695

Previews

White Background



This preview shows how the Yxy color 38.0593, 0.2131, 0.2873 looks on a white background.

Color Contrast Check

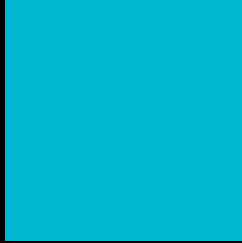
Large Text (above 18pt) WCAG AA × Fail

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 38.0593, 0.2131, 0.2873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

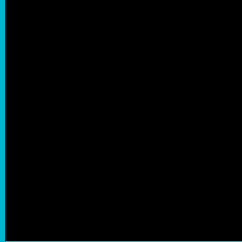
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0593, 0.2131, 0.2873

Background



This preview shows how black text looks on a background with the Yxy color 38.0593, 0.2131, 0.2873.



This preview shows how white text looks on a background with the Yxy color 38.0593, 0.2131, 0.2873.

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

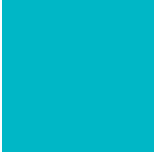
38.0593, 0.2131, 0.2873

Protanopia

37.4490, 0.2813, 0.2835

Deuteranopia

37.6643, 0.2659, 0.2596



Tritanopia

37.9442, 0.2181, 0.3050

Trichromacy



Original Color

38.0593, 0.2131, 0.2873



Protanomaly

35.7332, 0.2393, 0.2823



Deuteranomaly

35.7820, 0.2320, 0.2659



Tritanomaly

38.1312, 0.2164, 0.2990

Monochromacy



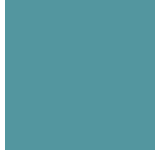
Original Color

38.0593, 0.2131, 0.2873



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

26.1549, 0.2479, 0.3127

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0593, 0.2131, 0.2873 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, 182, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 209)  
}
```

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, 182, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 209) }
```

Border

The CSS property to change the border of an element to Yxy 38.0593, 0.2131, 0.2873 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, 182, 209) }
```

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

```
.border{ border-color:rgb(0, 182, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 182, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0593, 0.2131, 0.2873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 209) }
```

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

```
.background{ background-color: rgb(0, 182,  
209) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor