

Converting Colors

$Yxy(37.9720, 0.2047, 0.2888)$

Have a look what the booklet for
Yxy(37.9720, 0.2047, 0.2888)
contains.

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Color

Yxy(38.9341, 0.2136, 0.2891)

Conversions

Conversions Part 1

Format	Color
Hex	00B8D2
RGB	0, 184, 210
RGB Percent	0%, 72%, 82%
CMY	1.0000, 0.2784, 0.1765
CMYK	1.00, 0.12, 0.00, 0.18
HSL	187°, 100%, 41%
HSV	187°, 100%, 82%
XYZ	28.7663, 38.9341, 66.9731
YIQ	131.9480, -118.0100, -30.9220

Conversions

Conversions Part 2

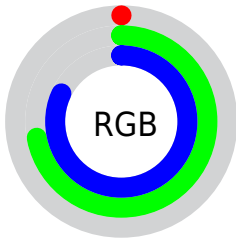
Format	Color
RYB	0, 98, 210
Decimal	47314
CIELab	68.70, -29.40, -24.05
CIELCh	69, 37.984, 219.282
Yxy	38.9341, 0.2136, 0.2891
Android (android.graphics.Color)	4278237394 (0xFF00B8D2)
YUV	131.9480, 38.4796, -115.7184
Hunter-Lab	62.3972, -26.9033, -19.9600

Details

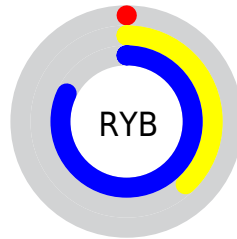
The Yxy color **38.9341, 0.2136, 0.2891** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **14.4404, 0.6303, 0.3377**, and the grayscale version is **22.9486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4832, 0.2356, 0.3109**, and **18.5992, 0.2110, 0.2797** is the 20% darker color. If you saturate the color by 10%, you get **38.9402, 0.2136, 0.2891**, and if you desaturate by 10%, it is **40.1895, 0.2163, 0.2934**.

Distribution



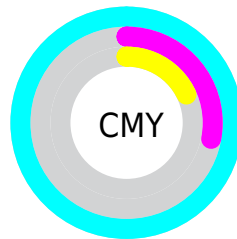
- Red (0%)
- Green (72%)
- Blue (82%)



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



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (18%)




- Cyan (100%)
- Magenta (28%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9341, 0.2136, 0.2891 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 38.9341, 0.2136, 0.2891 by changing the saturation by 10% instead.


 38.9341, 0.2136,
0.2891


 38.9341, 0.2136,
0.2891


341.6102, 0.2624,
0.3111


 26.7085, 0.2019,
0.2831


 73.5376, 0.2310,
0.2975


 17.3544, 0.1871,
0.2750


 96.6843, 0.2377,
0.3006


 10.4875, 0.1682,
0.2639


 124.2402, 0.2433,
0.3031

 5.7234, 0.1433,
0.2477

 156.5895, 0.2482,
0.3052

 2.6776, 0.1097,
0.2226

 194.1168, 0.2524,
0.3070

 0.9658, 0.0382,
0.1860

237.2064, 0.2562,

 0.0000, 0.0000,

0.3086

0.0000

286.2428, 0.2595,
0.3099

■ 38.9341, 0.2136,
0.2891

■ 38.9341, 0.2136,
0.2891

■ 38.9402, 0.2136,
0.2891

■ 40.1895, 0.2163,
0.2934

■ 41.6321, 0.2205,
0.2977

■ 43.3265, 0.2265,
0.3020

■ 45.3045, 0.2345,
0.3064

■ 47.5932, 0.2443,
0.3106

■ 50.2162, 0.2558,
0.3148

■ 53.1947, 0.2686,
0.3187

■ 56.5481, 0.2826,
0.3224

■ 60.2944, 0.2974,
0.3258

Harmonies

Analogous

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



38.9341, 0.2353, 0.3427



38.9341, 0.2136, 0.2891



38.9341, 0.2155, 0.2537

Triad

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



38.9341, 0.2136, 0.2891



38.9341, 0.3418, 0.2722



38.9341, 0.3843, 0.4254

Complementary

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



38.9341, 0.2136, 0.2891



14.4404, 0.6303, 0.3377

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.



38.9341, 0.4185, 0.3951



38.9341, 0.2136, 0.2891



38.9341, 0.3943, 0.3094

Square

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



38.9341, 0.2136, 0.2891



38.9341, 0.2850, 0.2476



38.9341, 0.4231, 0.3529



38.9341, 0.3326, 0.4293

Rectangle

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



38.9341, 0.2136, 0.2891



38.9341, 0.2295, 0.2424



38.9341, 0.4231, 0.3529



38.9341, 0.3984, 0.4175

Sweetspot

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



38.9402, 0.2136, 0.2891



82.3718, 0.2682, 0.3186



46.1629, 0.2978, 0.5921



17.1961, 0.2625, 0.3169



0.0000, 0.0000, 0.0000



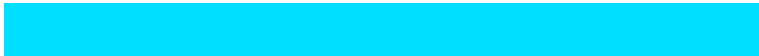
21.4041, 0.3127, 0.3290

Same Dimension

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



38.9402, 0.2136, 0.2891



60.2321, 0.2135, 0.2886



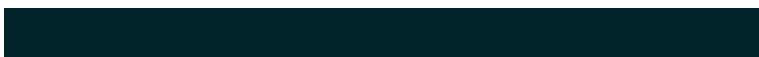
10.4643, 0.1667, 0.1200



13.1469, 0.2983, 0.3260



23.8529, 0.2138, 0.2897



1.4054, 0.2160, 0.2976

Inverse Universe

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



17.1634, 0.3551, 0.1730



26.6116, 0.3556, 0.1732



29.5353, 0.5079, 0.4349



11.9828, 0.3156, 0.3089



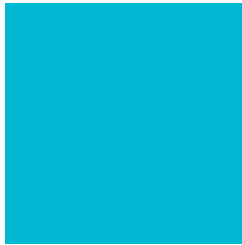
10.4792, 0.3546, 0.1727



0.5932, 0.3475, 0.1688

Previews

White Background



This preview shows how the Yxy color 38.9341, 0.2136, 0.2891 looks on a white background.

Color Contrast Check

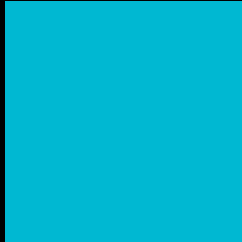
Large Text (above 18pt) WCAG AA × Fail

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 38.9341, 0.2136, 0.2891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

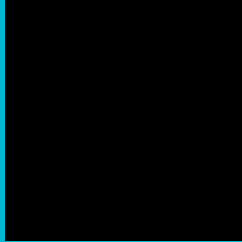
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9341, 0.2136, 0.2891

Background



This preview shows how black text looks on a background with the Yxy color 38.9341, 0.2136, 0.2891.



This preview shows how white text looks on a background with the Yxy color 38.9341, 0.2136, 0.2891.

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

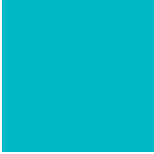
38.9341, 0.2136, 0.2891

Protanopia

38.4151, 0.2824, 0.2852

Deuteranopia

38.6253, 0.2670, 0.2614



Tritanopia

38.8681, 0.2181, 0.3053

Trichromacy



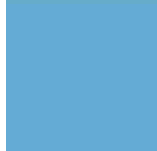
Original Color

38.9341, 0.2136, 0.2891



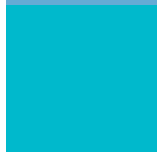
Protanomaly

36.5941, 0.2399, 0.2841



Deuteranomaly

36.6392, 0.2326, 0.2678



Tritanomaly

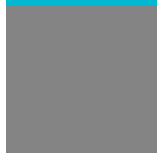
39.0576, 0.2165, 0.2993

Monochromacy



Original Color

38.9341, 0.2136, 0.2891



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.5561, 0.2482, 0.3128

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9341, 0.2136, 0.2891 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, 210)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 210)  
}
```

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, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 210) }
```

Border

The CSS property to change the border of an element to Yxy 38.9341, 0.2136, 0.2891 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, 210) }
```

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

```
.border{ border-color:rgb(0, 184, 210) }
```

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, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 210);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9341, 0.2136, 0.2891 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, 210) }
```

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

```
.background{ background-color: rgb(0, 184,  
210) }
```

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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