

Converting Colors

$Y_{xy}(38.5592, 0.2160, 0.2974)$

Have a look what the booklet for
Yxy(38.5592, 0.2160, 0.2974)
contains.

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Color

Yxy(38.6471, 0.2161, 0.2977)

Conversions

Conversions Part 1

Format	Color
Hex	01B8CC
RGB	1, 184, 204
RGB Percent	0%, 72%, 80%
CMY	0.9958, 0.2784, 0.1999
CMYK	0.99, 0.10, 0.00, 0.20
HSL	186°, 99%, 40%
HSV	186°, 99%, 80%
XYZ	28.0539, 38.6471, 63.1180
YIQ	131.5630, -115.4880, -32.5760

Conversions

Conversions Part 2

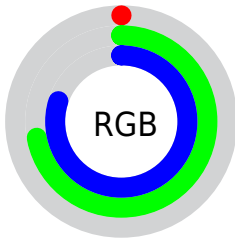
Format	Color
RYB	1, 97, 204
Decimal	112844
CIELab	68.49, -31.30, -21.08
CIELCh	68, 37.734, 213.963
Yxy	38.6471, 0.2161, 0.2977
Android (android.graphics.Color)	4278302924 (0xFF01B8CC)
YUV	131.5630, 35.7114, -114.5038
Hunter-Lab	62.1668, -28.2406, -16.6804

Details

The Yxy color **38.6471, 0.2161, 0.2977** 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 **13.3817, 0.6319, 0.3358**, and the grayscale version is **22.8180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4832, 0.2356, 0.3109**, and **18.1673, 0.2131, 0.2870** is the 20% darker color. If you saturate the color by 10%, you get **38.5978, 0.2160, 0.2975**, and if you desaturate by 10%, it is **39.6482, 0.2185, 0.3010**.

Distribution



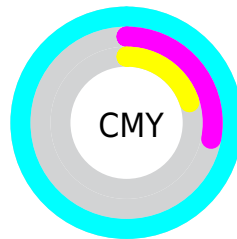
- Red (0%)
- Green (72%)
- Blue (80%)



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



- Cyan (99%)
- Magenta (10%)
- Yellow (0%)
- Black (20%)



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6471, 0.2161, 0.2977 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 38.6471, 0.2161, 0.2977 by changing the saturation by 10% instead.


 38.6471, 0.2161,
0.2977


 38.6471, 0.2161,
0.2977


340.3878, 0.2639,
0.3154

 26.4853, 0.2045,
0.2927


 73.0989, 0.2332,
0.3046


 17.1871, 0.1899,
0.2859


 96.1577, 0.2397,
0.3070

 10.3679, 0.1711,
0.2764


 123.6176, 0.2453,
0.3090

 5.6436, 0.1461,
0.2623

 155.8630, 0.2500,
0.3107

 2.6296, 0.1121,
0.2396

 193.2784, 0.2542,
0.3122

 0.9416, 0.0287,
0.2081

236.2480, 0.2578,

 0.0000, 0.0000,

0.3134

0.0000

285.1563, 0.2610,
0.3144

■ 38.6471, 0.2161,
0.2977

■ 38.6471, 0.2161,
0.2977

■ 38.5978, 0.2160,
0.2975

■ 39.6482, 0.2185,
0.3010

■ 40.8271, 0.2225,
0.3044

■ 42.2365, 0.2283,
0.3078

■ 43.9057, 0.2361,
0.3112

■ 45.8596, 0.2457,
0.3146

■ 48.1200, 0.2569,
0.3179

■ 50.7066, 0.2696,
0.3210

■ 53.6372, 0.2835,
0.3239

■ 56.9285, 0.2982,
0.3266

Harmonies

Analogous

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



38.6471, 0.2418, 0.3529



38.6471, 0.2161, 0.2977



38.6471, 0.2138, 0.2586

Triad

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



38.6471, 0.2161, 0.2977



38.6471, 0.3314, 0.2670



38.6471, 0.3918, 0.4212

Complementary

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



38.6471, 0.2161, 0.2977



13.3817, 0.6319, 0.3358

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.



38.6471, 0.4213, 0.3879



38.6471, 0.2161, 0.2977



38.6471, 0.3859, 0.3023

Square

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



38.6471, 0.2161, 0.2977



38.6471, 0.2760, 0.2453



38.6471, 0.4199, 0.3450



38.6471, 0.3423, 0.4307

Rectangle

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



38.6471, 0.2161, 0.2977



38.6471, 0.2251, 0.2448



38.6471, 0.4199, 0.3450



38.6471, 0.4045, 0.4120

Sweetspot

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



38.6485, 0.2161, 0.2977



83.5442, 0.2684, 0.3207



43.2445, 0.2986, 0.5945



17.4805, 0.2629, 0.3194



0.0000, 0.0000, 0.0000



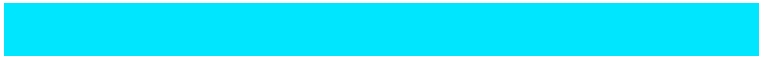
21.4041, 0.3127, 0.3290

Same Dimension

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



38.6485, 0.2161, 0.2977



63.7297, 0.2159, 0.2971



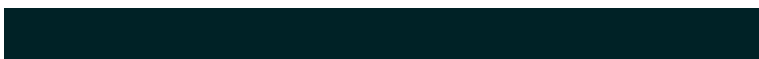
10.9641, 0.1698, 0.1310



12.5305, 0.2983, 0.3266



24.3663, 0.2161, 0.2980



1.3131, 0.2179, 0.3045

Inverse Universe

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



16.3237, 0.3474, 0.1689



26.9647, 0.3480, 0.1691



26.1445, 0.5164, 0.4277



11.3839, 0.3153, 0.3084



10.2628, 0.3472, 0.1686



0.5351, 0.3414, 0.1655

Previews

White Background



This preview shows how the Yxy color 38.6471, 0.2161, 0.2977 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 38.6471, 0.2161, 0.2977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

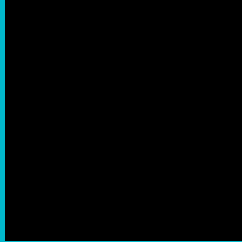
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.6471, 0.2161, 0.2977

Background



This preview shows how black text looks on a background with the Yxy color 38.6471, 0.2161, 0.2977.



This preview shows how white text looks on a background with the Yxy color 38.6471, 0.2161, 0.2977.

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

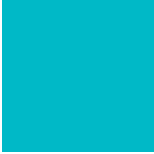
38.6471, 0.2161, 0.2977

Protanopia

38.2489, 0.2878, 0.2931

Deuteranopia

38.2714, 0.2734, 0.2676



Tritanopia

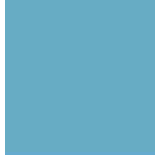
38.8214, 0.2186, 0.3068

Trichromacy



Original Color

38.6471, 0.2161, 0.2977



Protanomaly

36.3741, 0.2438, 0.2926



Deuteranomaly

36.4556, 0.2368, 0.2758



Tritanomaly

38.9150, 0.2177, 0.3038

Monochromacy



Original Color

38.6471, 0.2161, 0.2977



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.4867, 0.2495, 0.3163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6471, 0.2161, 0.2977 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(1, 184, 204)` looks like.

```
.text, #text, p{  
    color:rgb(1, 184, 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(1, 184, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 184, 204) }
```

Border

The CSS property to change the border of an element to Yxy 38.6471, 0.2161, 0.2977 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(1, 184, 204) }
```

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

```
.border{ border-color:rgb(1, 184, 204) }
```

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

Here you see how a box with a 4 pixel rgb(1, 184, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 184, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 184, 204);  
box-shadow:4px 4px 4px 4px rgb(1, 184,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6471, 0.2161, 0.2977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 184, 204) }
```

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

```
.background{ background-color: rgb(1, 184,  
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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