

Converting Colors

$Y_{xy}(37.8755, 0.2095, 0.2743)$

Have a look what the booklet for
Yxy(37.8755, 0.2095, 0.2743)
contains.

Yxy(38.0575, 0.2096, 0.2747)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.0575, 0.2096, 0.2747)

Conversions

Conversions Part 1

Format	Color
Hex	00B5D9
RGB	0, 181, 217
RGB Percent	0%, 71%, 85%
CMY	1.0000, 0.2901, 0.1491
CMYK	1.00, 0.17, 0.00, 0.15
HSL	190°, 100%, 43%
HSV	190°, 100%, 85%
XYZ	29.0384, 38.0575, 71.4461
YIQ	130.9850, -119.4320, -27.1760

Conversions

Conversions Part 2

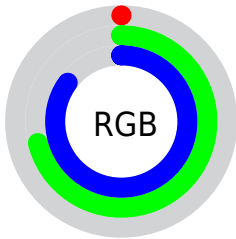
Format	Color
RYB	0, 99, 217
Decimal	46553
CIELab	68.06, -25.58, -28.86
CIELCh	68, 38.567, 228.441
Yxy	38.0575, 0.2096, 0.2747
Android (android.graphics.Color)	4278236633 (0xFF00B5D9)
YUV	130.9850, 42.4054, -114.8738
Hunter-Lab	61.6908, -23.9372, -25.4822

Details

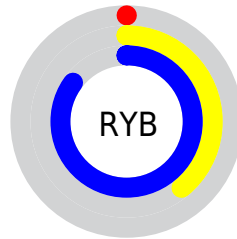
The Yxy color **38.0575, 0.2096, 0.2747** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **16.0080, 0.6248, 0.3421**, and the grayscale version is **22.5722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7916, 0.2351, 0.3073**, and **18.0470, 0.2058, 0.2608** is the 20% darker color. If you saturate the color by 10%, you get **38.0638, 0.2097, 0.2747**, and if you desaturate by 10%, it is **39.7125, 0.2128, 0.2806**.

Distribution



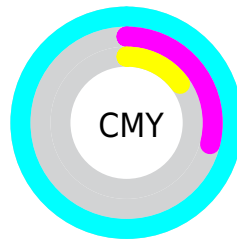
- Red (0%)
- Green (71%)
- Blue (85%)



- Red (0%)
- Yellow (39%)
- Blue (85%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (15%)




- Cyan (100%)
- Magenta (29%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0575, 0.2096, 0.2747 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 38.0575, 0.2096, 0.2747 by changing the saturation by 10% instead.

 38.0575, 0.2096,
0.2747


 38.0575, 0.2096,
0.2747


 337.8666, 0.2603,
0.3039


 26.0273, 0.1975,
0.2669


 72.1963, 0.2277,
0.2857


 16.8441, 0.1823,
0.2568


 95.0736, 0.2346,
0.2897

 10.1234, 0.1629,
0.2430


 122.3355, 0.2405,
0.2931

 5.4808, 0.1376,
0.2234

 154.3663, 0.2455,
0.2959

 2.5321, 0.1040,
0.1943

 191.5504, 0.2499,
0.2983

 0.8926, 0.0382,
0.1525

 234.2722, 0.2538,

 0.0000, 0.0000,

0.3004

0.0000

282.9162, 0.2572,
0.3023

■ 38.0575, 0.2096,
0.2747

■ 38.0575, 0.2096,
0.2747

■ 38.0638, 0.2097,
0.2747

■ 39.7125, 0.2128,
0.2806

■ 41.5872, 0.2175,
0.2865

■ 43.7500, 0.2241,
0.2925

■ 46.2358, 0.2326,
0.2984

■ 49.0739, 0.2430,
0.3042

■ 52.2901, 0.2549,
0.3098

■ 55.9076, 0.2681,
0.3152

■ 59.9477, 0.2824,
0.3202

■ 64.4298, 0.2974,
0.3248

Harmonies

Analogous

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



38.0575, 0.2244, 0.3249



38.0575, 0.2096, 0.2747



38.0575, 0.2188, 0.2455

Triad

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



38.0575, 0.2096, 0.2747



38.0575, 0.3603, 0.2815



38.0575, 0.3709, 0.4324

Complementary

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



38.0575, 0.2096, 0.2747



16.0080, 0.6248, 0.3421

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.



38.0575, 0.4129, 0.4077



38.0575, 0.2096, 0.2747



38.0575, 0.4085, 0.3221

Square

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



38.0575, 0.2096, 0.2747



38.0575, 0.3013, 0.2519



38.0575, 0.4279, 0.3669



38.0575, 0.3154, 0.4257

Rectangle

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



38.0575, 0.2096, 0.2747



38.0575, 0.2376, 0.2386



38.0575, 0.4279, 0.3669



38.0575, 0.3871, 0.4270

Sweetspot

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



38.0638, 0.2097, 0.2747



80.4399, 0.2678, 0.3150



49.7223, 0.2968, 0.5886



16.7285, 0.2620, 0.3128



0.0000, 0.0000, 0.0000



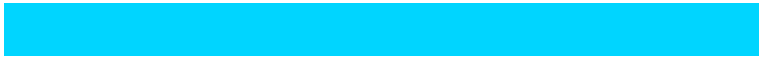
21.4041, 0.3127, 0.3290

Same Dimension

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



38.0638, 0.2097, 0.2747



54.6765, 0.2095, 0.2742



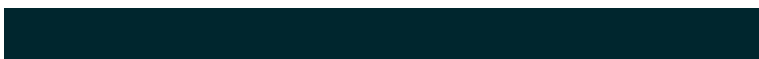
10.1697, 0.1640, 0.1105



14.4430, 0.2982, 0.3250



23.1801, 0.2099, 0.2756



1.6015, 0.2126, 0.2852

Inverse Universe

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



18.0855, 0.3684, 0.1803



26.0508, 0.3689, 0.1806



33.8091, 0.4988, 0.4422



13.2358, 0.3163, 0.3097



10.9638, 0.3676, 0.1799



0.7204, 0.3587, 0.1750

Previews

White Background



This preview shows how the Yxy color 38.0575, 0.2096, 0.2747 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 38.0575, 0.2096, 0.2747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

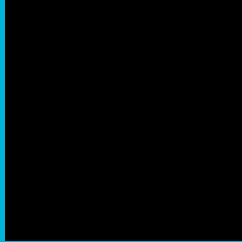
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0575, 0.2096, 0.2747

Background



This preview shows how black text looks on a background with the Yxy color 38.0575, 0.2096, 0.2747.



This preview shows how white text looks on a background with the Yxy color 38.0575, 0.2096, 0.2747.

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

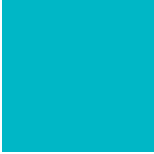
38.0575, 0.2096, 0.2747

Protanopia

37.5226, 0.2730, 0.2730

Deuteranopia

37.4507, 0.2567, 0.2506



Tritanopia

37.9442, 0.2181, 0.3050

Trichromacy



Original Color

38.0575, 0.2096, 0.2747



Protanomaly

36.0055, 0.2339, 0.2714



Deuteranomaly

35.9761, 0.2261, 0.2556



Tritanomaly

37.8637, 0.2147, 0.2930

Monochromacy



Original Color

38.0575, 0.2096, 0.2747



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

25.9425, 0.2455, 0.3057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0575, 0.2096, 0.2747 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, 181, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 217)  
}
```

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, 181, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 217) }
```

Border

The CSS property to change the border of an element to Yxy 38.0575, 0.2096, 0.2747 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, 181, 217) }
```

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

```
.border{ border-color:rgb(0, 181, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0575, 0.2096, 0.2747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 217) }
```

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

```
.background{ background-color: rgb(0, 181,  
217) }
```

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