

Converting Colors

$Y_{xy}(29.4089, 0.1357, 0.2651)$

Have a look what the booklet for
Yxy(29.4089, 0.1357, 0.2651)
contains.

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Color

Yxy(35.7538, 0.2097, 0.2748)

Conversions

Conversions Part 1

Format	Color
Hex	00B0D3
RGB	0, 176, 211
RGB Percent	0%, 69%, 83%
CMY	0.9983, 0.3098, 0.1727
CMYK	1.00, 0.17, 0.00, 0.17
HSL	190°, 100%, 41%
HSV	190°, 100%, 83%
XYZ	27.2837, 35.7538, 67.0709
YIQ	127.3660, -116.1310, -26.4270

Conversions

Conversions Part 2

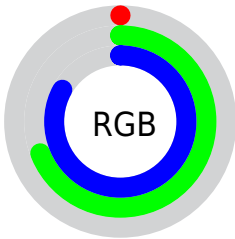
Format	Color
RYB	0, 96, 211
Decimal	45267
CIELab	66.33, -25.05, -28.22
CIELCh	66, 37.732, 228.412
Yxy	35.7538, 0.2097, 0.2748
Android (android.graphics.Color)	4278235347 (0xFF00B0D3)
YUV	127.3660, 41.2316, -111.7000
Hunter-Lab	59.7945, -23.1922, -24.6489

Details

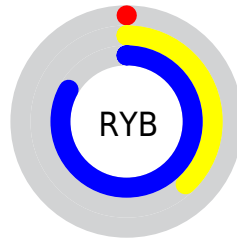
The Yxy color **35.7538, 0.2097, 0.2748** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **15.0719, 0.6241, 0.3424**, and the grayscale version is **21.2878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8763, 0.2334, 0.3011**, and **16.5662, 0.2057, 0.2604** is the 20% darker color. If you saturate the color by 10%, you get **35.7235, 0.2096, 0.2747**, and if you desaturate by 10%, it is **37.3097, 0.2129, 0.2807**.

Distribution



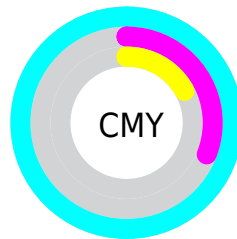
- Red (0%)
- Green (69%)
- Blue (83%)



- Red (0%)
- Yellow (38%)
- Blue (83%)



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





- Cyan (100%)
- Magenta (31%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7538, 0.2097, 0.2748 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 35.7538, 0.2097, 0.2748 by changing the saturation by 10% instead.


 35.7538, 0.2097,
0.2748


 35.7538, 0.2097,
0.2748


327.8832, 0.2609,
0.3042


 24.2441, 0.1973,
0.2669


 68.6519, 0.2281,
0.2860

 15.5148, 0.1817,
0.2564


 90.8091, 0.2351,
0.2900


 9.1815, 0.1616,
0.2421


 117.2842, 0.2410,
0.2934

 4.8597, 0.1352,
0.2216

 148.4617, 0.2461,
0.2962

 2.1652, 0.1000,
0.1906

 184.7260, 0.2505,
0.2987

 0.7009, 0.0114,
0.1461

226.4614, 0.2544,

 0.0000, 0.0000,

0.3008

0.0000

274.0523, 0.2578,
0.3026

■ 35.7538, 0.2097,
0.2748

■ 35.7538, 0.2097,
0.2748

■ 35.7235, 0.2096,
0.2747

■ 37.3097, 0.2129,
0.2807

■ 39.0779, 0.2176,
0.2866

■ 41.1170, 0.2243,
0.2926

■ 43.4594, 0.2329,
0.2985

■ 46.1323, 0.2433,
0.3044

■ 49.1598, 0.2552,
0.3099

■ 52.5635, 0.2685,
0.3153

■ 56.3630, 0.2828,
0.3203

■ 60.5767, 0.2977,
0.3249

Harmonies

Analogous

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



35.7538, 0.2245, 0.3249



35.7538, 0.2097, 0.2748



35.7538, 0.2188, 0.2456

Triad

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



35.7538, 0.2097, 0.2748



35.7538, 0.3602, 0.2815



35.7538, 0.3709, 0.4323

Complementary

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



35.7538, 0.2097, 0.2748



15.0719, 0.6241, 0.3424

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.



35.7538, 0.4128, 0.4076



35.7538, 0.2097, 0.2748



35.7538, 0.4084, 0.3221

Square

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



35.7538, 0.2097, 0.2748



35.7538, 0.3013, 0.2520



35.7538, 0.4278, 0.3668



35.7538, 0.3155, 0.4256

Rectangle

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



35.7538, 0.2097, 0.2748



35.7538, 0.2377, 0.2387



35.7538, 0.4278, 0.3668



35.7538, 0.3871, 0.4268

Sweetspot

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



35.7551, 0.2097, 0.2748



80.4229, 0.2678, 0.3150



46.6810, 0.2967, 0.5881



16.7244, 0.2620, 0.3128



0.0000, 0.0000, 0.0000



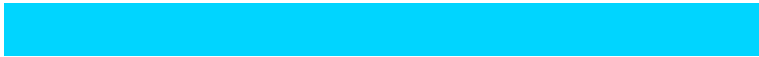
21.4041, 0.3127, 0.3290

Same Dimension

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



35.7551, 0.2097, 0.2748



54.6288, 0.2095, 0.2741



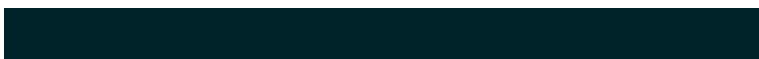
9.6190, 0.1643, 0.1111



13.0588, 0.2983, 0.3250



21.6952, 0.2099, 0.2756



1.3041, 0.2129, 0.2864

Inverse Universe

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



16.9886, 0.3683, 0.1803



26.0460, 0.3690, 0.1806



31.8179, 0.4983, 0.4424



11.9739, 0.3163, 0.3098



10.2614, 0.3676, 0.1799



0.5829, 0.3576, 0.1744

Previews

White Background



This preview shows how the Yxy color 35.7538, 0.2097, 0.2748 looks on a white background.

Color Contrast Check

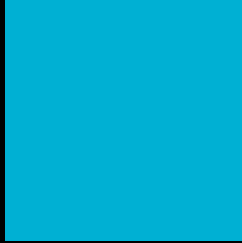
Large Text (above 18pt) WCAG AA × Fail

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 35.7538, 0.2097, 0.2748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

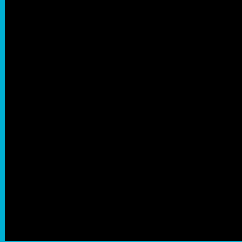
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7538, 0.2097, 0.2748

Background



This preview shows how black text looks on a background with the Yxy color 35.7538, 0.2097, 0.2748.



This preview shows how white text looks on a background with the Yxy color 35.7538, 0.2097, 0.2748.

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

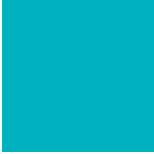
35.7538, 0.2097, 0.2748

Protanopia

35.4528, 0.2736, 0.2744

Deuteranopia

35.3798, 0.2570, 0.2513



Tritanopia

35.6466, 0.2183, 0.3060

Trichromacy



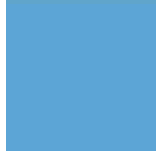
Original Color

35.7538, 0.2097, 0.2748



Protanomaly

33.7089, 0.2339, 0.2713



Deuteranomaly

34.0406, 0.2262, 0.2566



Tritanomaly

35.5678, 0.2149, 0.2936

Monochromacy



Original Color

35.7538, 0.2097, 0.2748



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

24.4688, 0.2455, 0.3051

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7538, 0.2097, 0.2748 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, 176, 211)` looks like.

```
.text, #text, p{  
  color:rgb(0, 176, 211)  
}
```

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, 176, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 211) }
```

Border

The CSS property to change the border of an element to Yxy 35.7538, 0.2097, 0.2748 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, 176, 211) }
```

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

```
.border{ border-color:rgb(0, 176, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 176, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 211);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7538, 0.2097, 0.2748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 211) }
```

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

```
.background{ background-color: rgb(0, 176,  
211) }
```

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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