

Converting Colors

$Y_{xy}(35.8063, 0.2110, 0.2773)$

Have a look what the booklet for
Yxy(35.8063, 0.2110, 0.2773)
contains.

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Color

Yxy(35.7186, 0.2111, 0.2776)

Conversions

Conversions Part 1

Format	Color
Hex	0AB0D1
RGB	10, 176, 209
RGB Percent	4%, 69%, 82%
CMY	0.9596, 0.3098, 0.1804
CMYK	0.95, 0.16, 0.00, 0.18
HSL	190°, 91%, 43%
HSV	190°, 95%, 82%
XYZ	27.1621, 35.7186, 65.7886
YIQ	130.1280, -109.5290, -24.9290

Conversions

Conversions Part 2

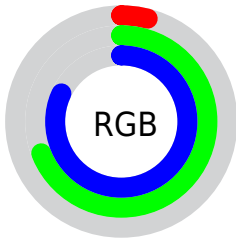
Format	Color
RYB	10, 101, 209
Decimal	700625
CIELab	66.30, -25.42, -27.18
CIELCh	66, 37.212, 226.913
Yxy	35.7186, 0.2111, 0.2776
Android (android.graphics.Color)	4278890705 (0xFF0AB0D1)
YUV	130.1280, 38.8839, -105.3523
Hunter-Lab	59.7650, -23.4639, -23.4302

Details

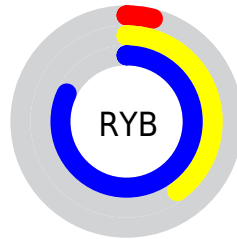
The Yxy color **35.7186, 0.2111, 0.2776** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **15.3294, 0.6136, 0.3454**, and the grayscale version is **22.2928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9365, 0.2337, 0.3011**, and **16.4990, 0.2067, 0.2640** is the 20% darker color. If you saturate the color by 10%, you get **34.9866, 0.2096, 0.2747**, and if you desaturate by 10%, it is **37.3269, 0.2149, 0.2835**.

Distribution



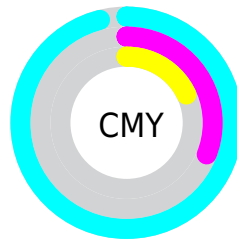
- Red (4%)
- Green (69%)
- Blue (82%)



- Red (4%)
- Yellow (40%)
- Blue (82%)



- Cyan (95%)
- Magenta (16%)
- Yellow (0%)
- Black (18%)





- Cyan (96%)
- Magenta (31%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7186, 0.2111, 0.2776 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 35.7186, 0.2111, 0.2776 by changing the saturation by 10% instead.


 35.7186, 0.2111,
0.2776


 35.7186, 0.2111,
0.2776


327.7289, 0.2617,
0.3056

 24.2169, 0.1988,
0.2700


 68.5975, 0.2293,
0.2883


 15.4946, 0.1833,
0.2599

 90.7436, 0.2362,
0.2921


 9.1673, 0.1634,
0.2461


 117.2065, 0.2420,
0.2953

 4.8504, 0.1370,
0.2262

 148.3708, 0.2471,
0.2980

 2.1598, 0.1017,
0.1958

 184.6208, 0.2514,
0.3004

 0.6979, 0.0093,
0.1521

226.3409, 0.2553,

 0.0000, 0.0000,

0.3024

0.0000

273.9154, 0.2587,
0.3041

■ 35.7186, 0.2111,
0.2776

■ 35.7186, 0.2111,
0.2776

■ 34.9866, 0.2096,
0.2747

■ 37.3269, 0.2149,
0.2835

■ 39.1794, 0.2206,
0.2895

■ 41.3127, 0.2282,
0.2954

■ 43.7559, 0.2376,
0.3013

■ 46.5338, 0.2488,
0.3070

■ 49.6688, 0.2614,
0.3125

■ 53.1810, 0.2751,
0.3177

■ 57.0891, 0.2898,
0.3225

■ 61.4102, 0.3049,
0.3269

Harmonies

Analogous

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



35.7186, 0.2269, 0.3279



35.7186, 0.2111, 0.2776



35.7186, 0.2190, 0.2476

Triad

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



35.7186, 0.2111, 0.2776



35.7186, 0.3568, 0.2803



35.7186, 0.3727, 0.4303

Complementary

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



35.7186, 0.2111, 0.2776



15.3294, 0.6136, 0.3454

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.



35.7186, 0.4130, 0.4050



35.7186, 0.2111, 0.2776



35.7186, 0.4053, 0.3201

Square

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



35.7186, 0.2111, 0.2776



35.7186, 0.2987, 0.2518



35.7186, 0.4261, 0.3643



35.7186, 0.3184, 0.4254

Rectangle

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



35.7186, 0.2111, 0.2776



35.7186, 0.2369, 0.2400



35.7186, 0.4261, 0.3643



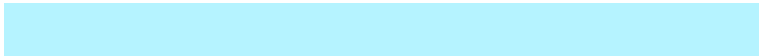
35.7186, 0.3884, 0.4245

Sweetspot

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



35.7199, 0.2111, 0.2776



80.9805, 0.2692, 0.3155



45.8250, 0.2960, 0.5817



16.8325, 0.2633, 0.3133



0.0000, 0.0000, 0.0000



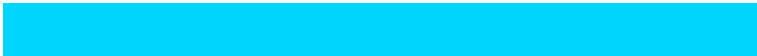
21.4041, 0.3127, 0.3290

Same Dimension

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



35.7199, 0.2111, 0.2776



54.6266, 0.2095, 0.2740



10.3853, 0.1677, 0.1201



13.0588, 0.2983, 0.3250



21.6943, 0.2099, 0.2756



1.3040, 0.2129, 0.2864

Inverse Universe

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



16.9145, 0.3655, 0.1805



26.0457, 0.3690, 0.1806



32.1777, 0.4920, 0.4441



11.9739, 0.3163, 0.3098



10.2613, 0.3676, 0.1799



0.5829, 0.3576, 0.1744

Previews

White Background



This preview shows how the Yxy color 35.7186, 0.2111, 0.2776 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 35.7186, 0.2111, 0.2776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

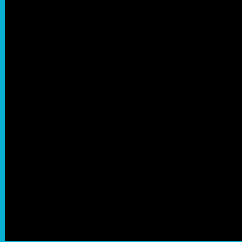
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7186, 0.2111, 0.2776

Background



This preview shows how black text looks on a background with the Yxy color 35.7186, 0.2111, 0.2776.



This preview shows how white text looks on a background with the Yxy color 35.7186, 0.2111, 0.2776.

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

35.7186, 0.2111, 0.2776

Protanopia

35.0642, 0.2742, 0.2742

Deuteranopia

35.3688, 0.2590, 0.2538

Trichromacy



Original Color

35.7186, 0.2111, 0.2776

Protanomaly

33.8366, 0.2372, 0.2743

Deuteranomaly

34.2051, 0.2297, 0.2596

Monochromacy



Original Color

35.7186, 0.2111, 0.2776

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

25.3491, 0.2489, 0.3073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7186, 0.2111, 0.2776 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(10, 176, 209)` looks like.

```
.text, #text, p{  
    color:rgb(10, 176, 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(10, 176, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 176, 209) }
```

Border

The CSS property to change the border of an element to Yxy 35.7186, 0.2111, 0.2776 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(10, 176, 209) }
```

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

```
.border{ border-color:rgb(10, 176, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 176, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 176, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 176, 209);  
box-shadow:4px 4px 4px 4px rgb(10, 176,  
209) }
```

Background

The CSS property to change the background color of an element to Yxy 35.7186, 0.2111, 0.2776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 176, 209) }
```

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

```
.background{ background-color: rgb(10, 176,  
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](#).

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