

Converting Colors

$Y_{xy}(39.0705, 0.2100, 0.2761)$

Have a look what the booklet for
Yxy(39.0705, 0.2100, 0.2761)
contains.

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Color

Yxy(38.9814, 0.2098, 0.2751)

Conversions

Conversions Part 1

Format	Color
Hex	01B7DB
RGB	1, 183, 219
RGB Percent	0%, 72%, 86%
CMY	0.9970, 0.2824, 0.1411
CMYK	1.00, 0.16, 0.00, 0.14
HSL	190°, 99%, 43%
HSV	190°, 100%, 86%
XYZ	29.7285, 38.9814, 72.9892
YIQ	132.6860, -120.0280, -27.3880

Conversions

Conversions Part 2

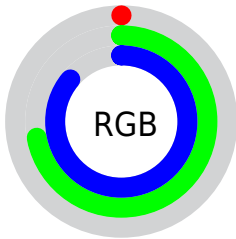
Format	Color
RYB	1, 100, 219
Decimal	112603
CIELab	68.74, -25.85, -28.94
CIELCh	69, 38.800, 228.229
Yxy	38.9814, 0.2098, 0.2751
Android (android.graphics.Color)	4278302683 (0xFF01B7DB)
YUV	132.6860, 42.5528, -115.4886
Hunter-Lab	62.4351, -24.2687, -25.6079

Details

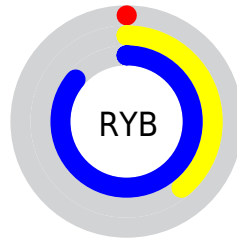
The Yxy color **38.9814, 0.2098, 0.2751** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **16.3761, 0.6243, 0.3421**, and the grayscale version is **23.1830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0172, 0.2360, 0.3098**, and **18.6456, 0.2060, 0.2616** is the 20% darker color. If you saturate the color by 10%, you get **38.9253, 0.2097, 0.2749**, and if you desaturate by 10%, it is **40.6670, 0.2129, 0.2810**.

Distribution



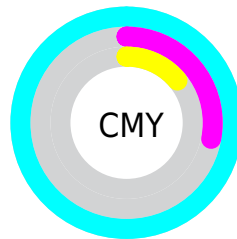
- Red (0%)
- Green (72%)
- Blue (86%)



- Red (0%)
- Yellow (39%)
- Blue (86%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (14%)




- Cyan (100%)
- Magenta (28%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.9814, 0.2098, 0.2751 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 38.9814, 0.2098, 0.2751 by changing the saturation by 10% instead.


 38.9814, 0.2098,
0.2751


 38.9814, 0.2098,
0.2751

341.8114, 0.2602,
0.3040

 26.7453, 0.1978,
0.2675


 73.6099, 0.2277,
0.2860


 17.3820, 0.1828,
0.2574


 96.7711, 0.2346,
0.2899


 10.5072, 0.1637,
0.2439


 124.3427, 0.2404,
0.2933

 5.7365, 0.1387,
0.2248

 156.7091, 0.2455,
0.2961

 2.6855, 0.1057,
0.1964

 194.2548, 0.2499,
0.2985

 0.9699, 0.0461,
0.1551

237.3642, 0.2537,

 0.0000, 0.0000,

0.3006

0.0000

286.4216, 0.2571,
0.3024

■ 38.9814, 0.2098,
0.2751

■ 38.9814, 0.2098,
0.2751

■ 38.9253, 0.2097,
0.2749

■ 40.6670, 0.2129,
0.2810

■ 42.5864, 0.2177,
0.2869

■ 44.8014, 0.2243,
0.2928

■ 47.3473, 0.2329,
0.2987

■ 50.2540, 0.2433,
0.3045

■ 53.5480, 0.2553,
0.3101

■ 57.2527, 0.2686,
0.3154

■ 61.3898, 0.2829,
0.3204

■ 65.9792, 0.2979,
0.3249

Harmonies

Analogous

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



38.9814, 0.2247, 0.3253



38.9814, 0.2098, 0.2751



38.9814, 0.2188, 0.2458

Triad

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



38.9814, 0.2098, 0.2751



38.9814, 0.3598, 0.2813



38.9814, 0.3711, 0.4321

Complementary

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



38.9814, 0.2098, 0.2751



16.3761, 0.6243, 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.



38.9814, 0.4129, 0.4074



38.9814, 0.2098, 0.2751



38.9814, 0.4081, 0.3218

Square

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



38.9814, 0.2098, 0.2751



38.9814, 0.3010, 0.2519



38.9814, 0.4277, 0.3665



38.9814, 0.3159, 0.4257

Rectangle

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



38.9814, 0.2098, 0.2751



38.9814, 0.2375, 0.2388



38.9814, 0.4277, 0.3665



38.9814, 0.3873, 0.4266

Sweetspot

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



38.9828, 0.2098, 0.2751



80.4689, 0.2678, 0.3151



50.7919, 0.2968, 0.5882



16.7355, 0.2620, 0.3129



0.0000, 0.0000, 0.0000



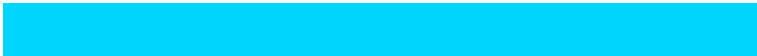
21.4041, 0.3127, 0.3290

Same Dimension

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



38.9828, 0.2098, 0.2751



54.7580, 0.2096, 0.2744



10.4506, 0.1642, 0.1110



14.4445, 0.2982, 0.3250



23.2137, 0.2099, 0.2758



1.6034, 0.2126, 0.2854

Inverse Universe

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



18.4986, 0.3680, 0.1802



26.0590, 0.3687, 0.1805



34.6003, 0.4984, 0.4422



13.2360, 0.3163, 0.3097



10.9672, 0.3674, 0.1797



0.7206, 0.3586, 0.1749

Previews

White Background



This preview shows how the Yxy color 38.9814, 0.2098, 0.2751 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 38.9814, 0.2098, 0.2751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

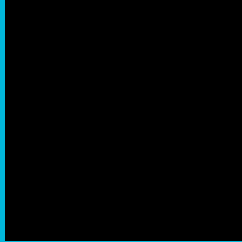
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9814, 0.2098, 0.2751

Background



This preview shows how black text looks on a background with the Yxy color 38.9814, 0.2098, 0.2751.



This preview shows how white text looks on a background with the Yxy color 38.9814, 0.2098, 0.2751.

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

38.9879, 0.2098, 0.2752

Protanopia

38.5346, 0.2734, 0.2736

Deuteranopia

38.4579, 0.2573, 0.2514



Tritanopia

38.8681, 0.2181, 0.3053

Trichromacy



Original Color

38.9879, 0.2098, 0.2752



Protanomaly

36.9175, 0.2340, 0.2719



Deuteranomaly

36.8865, 0.2262, 0.2562



Tritanomaly

38.7860, 0.2148, 0.2934

Monochromacy



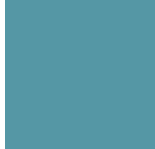
Original Color

38.9879, 0.2098, 0.2752



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

26.7448, 0.2461, 0.3060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9814, 0.2098, 0.2751 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, 183, 219)` looks like.

```
.text, #text, p{  
    color:rgb(1, 183, 219)  
}
```

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, 183, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 183, 219) }
```

Border

The CSS property to change the border of an element to Yxy 38.9814, 0.2098, 0.2751 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, 183, 219) }
```

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

```
.border{ border-color:rgb(1, 183, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 183, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 183, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 183, 219);  
box-shadow:4px 4px 4px 4px rgb(1, 183,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9814, 0.2098, 0.2751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 183, 219) }
```

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

```
.background{ background-color: rgb(1, 183,  
219) }
```

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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