

Converting Colors

$Y_{xy}(38.8600, 0.2106, 0.2782)$

Have a look what the booklet for
Yxy(38.8600, 0.2106, 0.2782)
contains.

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Color

Yxy(38.8767, 0.2105, 0.2778)

Conversions

Conversions Part 1

Format	Color
Hex	00B7D9
RGB	0, 183, 217
RGB Percent	0%, 72%, 85%
CMY	1.0000, 0.2823, 0.1489
CMYK	1.00, 0.16, 0.00, 0.15
HSL	189°, 100%, 43%
HSV	189°, 100%, 85%
XYZ	29.4584, 38.8767, 71.6098
YIQ	132.1590, -119.9820, -28.2220

Conversions

Conversions Part 2

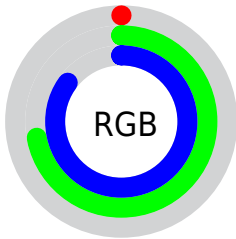
Format	Color
RYB	0, 99, 217
Decimal	47065
CIELab	68.66, -26.55, -27.96
CIELCh	69, 38.556, 226.480
Yxy	38.8767, 0.2105, 0.2778
Android (android.graphics.Color)	4278237145 (0xFF00B7D9)
YUV	132.1590, 41.8266, -115.9034
Hunter-Lab	62.3512, -24.7806, -24.4482

Details

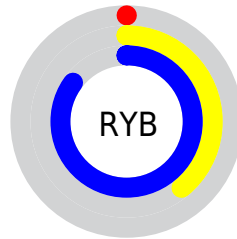
The Yxy color **38.8767, 0.2105, 0.2778** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **15.8998, 0.6262, 0.3410**, and the grayscale version is **23.0147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9563, 0.2356, 0.3097**, and **18.5739, 0.2070, 0.2650** is the 20% darker color. If you saturate the color by 10%, you get **38.8787, 0.2105, 0.2778**, and if you desaturate by 10%, it is **40.4663, 0.2135, 0.2833**.

Distribution



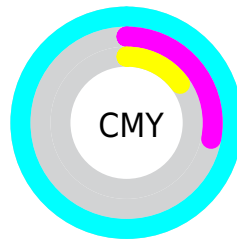
- Red (0%)
- Green (72%)
- Blue (85%)



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



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (15%)




- Cyan (100%)
- Magenta (28%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8767, 0.2105, 0.2778 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 38.8767, 0.2105, 0.2778 by changing the saturation by 10% instead.


 38.8767, 0.2105,
0.2778


 38.8767, 0.2105,
0.2778


341.3660, 0.2606,
0.3054


 26.6638, 0.1985,
0.2704


 73.4499, 0.2284,
0.2882

 17.3209, 0.1836,
0.2608


 96.5791, 0.2352,
0.2920


 10.4636, 0.1644,
0.2477


 124.1157, 0.2410,
0.2952

 5.7074, 0.1395,
0.2290

 156.4443, 0.2460,
0.2979

 2.6680, 0.1063,
0.2011

 193.9493, 0.2504,
0.3001

 0.9610, 0.0440,
0.1605

237.0149, 0.2542,

 0.0000, 0.0000,

0.3021

0.0000

286.0257, 0.2576,
0.3039

■ 38.8767, 0.2105,
0.2778

■ 38.8767, 0.2105,
0.2778

■ 38.8787, 0.2105,
0.2778

■ 40.4663, 0.2135,
0.2833

■ 42.2760, 0.2181,
0.2889

■ 44.3700, 0.2246,
0.2945

■ 46.7831, 0.2330,
0.3001

■ 49.5447, 0.2432,
0.3056

■ 52.6806, 0.2551,
0.3109

■ 56.2138, 0.2682,
0.3159

■ 60.1655, 0.2824,
0.3206

■ 64.5554, 0.2974,
0.3250

Harmonies

Analogous

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



38.8767, 0.2268, 0.3287



38.8767, 0.2105, 0.2778



38.8767, 0.2181, 0.2473

Triad

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



38.8767, 0.2105, 0.2778



38.8767, 0.3562, 0.2795



38.8767, 0.3738, 0.4309

Complementary

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



38.8767, 0.2105, 0.2778



15.8998, 0.6262, 0.3410

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.



38.8767, 0.4141, 0.4049



38.8767, 0.2105, 0.2778



38.8767, 0.4054, 0.3193

Square

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



38.8767, 0.2105, 0.2778



38.8767, 0.2977, 0.2510



38.8767, 0.4269, 0.3638



38.8767, 0.3192, 0.4265

Rectangle

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



38.8767, 0.2105, 0.2778



38.8767, 0.2359, 0.2395



38.8767, 0.4269, 0.3638



38.8767, 0.3895, 0.4249

Sweetspot

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



38.8787, 0.2105, 0.2778



80.8506, 0.2679, 0.3158



49.7433, 0.2968, 0.5886



16.8278, 0.2621, 0.3137



0.0000, 0.0000, 0.0000



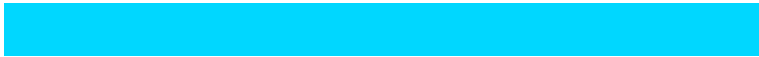
21.4041, 0.3127, 0.3290

Same Dimension

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



38.8787, 0.2105, 0.2778



55.8356, 0.2104, 0.2773



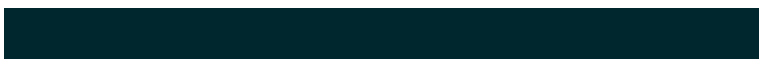
10.1738, 0.1640, 0.1105



14.4637, 0.2982, 0.3252



23.6582, 0.2107, 0.2786



1.6282, 0.2132, 0.2877

Inverse Universe

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



18.1738, 0.3655, 0.1787



26.1678, 0.3660, 0.1790



33.8231, 0.4988, 0.4422



13.2379, 0.3162, 0.3095



11.0121, 0.3648, 0.1783



0.7231, 0.3565, 0.1737

Previews

White Background



This preview shows how the Yxy color 38.8767, 0.2105, 0.2778 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 38.8767, 0.2105, 0.2778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

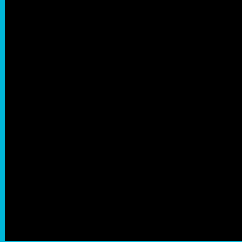
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.8767, 0.2105, 0.2778

Background



This preview shows how black text looks on a background with the Yxy color 38.8767, 0.2105, 0.2778.



This preview shows how white text looks on a background with the Yxy color 38.8767, 0.2105, 0.2778.

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

38.8767, 0.2105, 0.2778

Protanopia

38.4380, 0.2748, 0.2761

Deuteranopia

38.4468, 0.2593, 0.2538



Tritanopia

38.8681, 0.2181, 0.3053

Trichromacy



Original Color

38.8767, 0.2105, 0.2778

Protanomaly

36.8178, 0.2350, 0.2746

Deuteranomaly

36.8345, 0.2277, 0.2587

Tritanomaly

38.7372, 0.2152, 0.2948

Monochromacy



Original Color

38.8767, 0.2105, 0.2778

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

26.6624, 0.2462, 0.3076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8767, 0.2105, 0.2778 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, 183, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 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, 183, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 217) }
```

Border

The CSS property to change the border of an element to Yxy 38.8767, 0.2105, 0.2778 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, 183, 217) }
```

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

```
.border{ border-color:rgb(0, 183, 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, 183, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8767, 0.2105, 0.2778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 217) }
```

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

```
.background{ background-color: rgb(0, 183,  
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](#).

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