

Converting Colors

$Yxy(38.8942, 0.2096, 0.2744)$

Have a look what the booklet for
Yxy(38.8942, 0.2096, 0.2744)
contains.

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Color

Yxy(38.9879, 0.2098, 0.2752)

Conversions

Conversions Part 1

Format	Color
Hex	00B7DB
RGB	0, 183, 219
RGB Percent	0%, 72%, 86%
CMY	0.9989, 0.2823, 0.1413
CMYK	1.00, 0.16, 0.00, 0.14
HSL	190°, 100%, 43%
HSV	190°, 100%, 86%
XYZ	29.7226, 38.9879, 72.9606
YIQ	132.3870, -120.6240, -27.6000

Conversions

Conversions Part 2

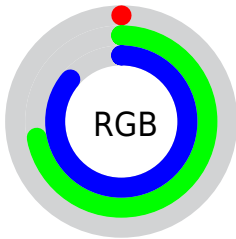
Format	Color
RYB	0, 100, 219
Decimal	47067
CIELab	68.74, -25.89, -28.91
CIELCh	69, 38.805, 228.151
Yxy	38.9879, 0.2098, 0.2752
Android (android.graphics.Color)	4278237147 (0xFF00B7DB)
YUV	132.3870, 42.7002, -116.1034
Hunter-Lab	62.4403, -24.3016, -25.5714

Details

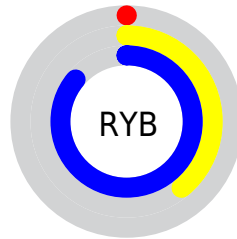
The Yxy color **38.9879, 0.2098, 0.2752** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **16.3340, 0.6248, 0.3419**, and the grayscale version is **23.1324, 0.3127, 0.3290**.

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 **38.9680, 0.2098, 0.2751**, and if you desaturate by 10%, it is **40.6648, 0.2129, 0.2810**.

Distribution



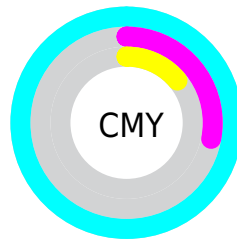
- Red (0%)
- Green (72%)
- Blue (86%)



- 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 38.9879, 0.2098, 0.2752 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 38.9879, 0.2098, 0.2752 by changing the saturation by 10% instead.


 38.9879, 0.2098,
0.2752


 38.9879, 0.2098,
0.2752


341.8390, 0.2602,
0.3040


 26.7503, 0.1978,
0.2676


 73.6198, 0.2277,
0.2860

 17.3858, 0.1828,
0.2576


 96.7830, 0.2346,
0.2900


 10.5099, 0.1637,
0.2440


 124.3567, 0.2404,
0.2933

 5.7383, 0.1387,
0.2249

 156.7256, 0.2455,
0.2961

 2.6866, 0.1057,
0.1966

 194.2738, 0.2499,
0.2985

 0.9704, 0.0461,
0.1553

237.3859, 0.2537,

 0.0000, 0.0000,

0.3006

0.0000

286.4461, 0.2571,
0.3024

■ 38.9879, 0.2098,
0.2752

■ 38.9879, 0.2098,
0.2752

■ 38.9680, 0.2098,
0.2751

■ 40.6648, 0.2129,
0.2810

■ 42.5724, 0.2176,
0.2869

■ 44.7742, 0.2242,
0.2928

■ 47.3058, 0.2328,
0.2987

■ 50.1971, 0.2431,
0.3045

■ 53.4745, 0.2551,
0.3101

■ 57.1618, 0.2683,
0.3153

■ 61.2804, 0.2826,
0.3203

■ 65.8504, 0.2976,
0.3249

Harmonies

Analogous

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



38.9879, 0.2248, 0.3254



38.9879, 0.2098, 0.2752



38.9879, 0.2187, 0.2459

Triad

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



38.9879, 0.2098, 0.2752



38.9879, 0.3597, 0.2812



38.9879, 0.3713, 0.4321

Complementary

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



38.9879, 0.2098, 0.2752



16.3340, 0.6248, 0.3419

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.



38.9879, 0.4130, 0.4073



38.9879, 0.2098, 0.2752



38.9879, 0.4080, 0.3217

Square

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



38.9879, 0.2098, 0.2752



38.9879, 0.3008, 0.2518



38.9879, 0.4277, 0.3664



38.9879, 0.3160, 0.4258

Rectangle

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



38.9879, 0.2098, 0.2752



38.9879, 0.2374, 0.2388



38.9879, 0.4277, 0.3664



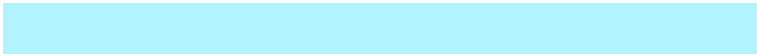
38.9879, 0.3874, 0.4266

Sweetspot

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



38.9893, 0.2098, 0.2752



80.4992, 0.2678, 0.3151



50.7636, 0.2968, 0.5885



16.7428, 0.2620, 0.3129



0.0000, 0.0000, 0.0000



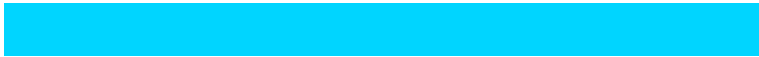
21.4041, 0.3127, 0.3290

Same Dimension

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



38.9893, 0.2098, 0.2752



54.8432, 0.2096, 0.2746



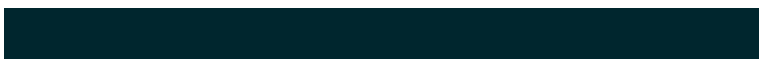
10.3990, 0.1641, 0.1106



14.4460, 0.2982, 0.3251



23.2489, 0.2100, 0.2760



1.6053, 0.2127, 0.2855

Inverse Universe

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



18.4825, 0.3679, 0.1801



26.0676, 0.3685, 0.1803



34.5333, 0.4987, 0.4422



13.2362, 0.3163, 0.3097



10.9708, 0.3672, 0.1796



0.7207, 0.3584, 0.1748

Previews

White Background



This preview shows how the Yxy color 38.9879, 0.2098, 0.2752 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 38.9879, 0.2098, 0.2752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

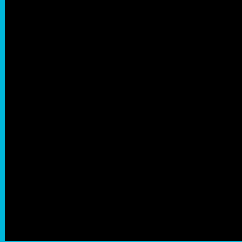
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9879, 0.2098, 0.2752

Background



This preview shows how black text looks on a background with the Yxy color 38.9879, 0.2098, 0.2752.



This preview shows how white text looks on a background with the Yxy color 38.9879, 0.2098, 0.2752.

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

38.9814, 0.2098, 0.2751

Protanopia

38.5346, 0.2734, 0.2736

Deuteranopia

38.4579, 0.2573, 0.2514



Tritanopia

38.8681, 0.2181, 0.3053

Trichromacy



Original Color

38.9814, 0.2098, 0.2751



Protanomaly

36.9175, 0.2340, 0.2719



Deuteranomaly

36.8865, 0.2262, 0.2562



Tritanomaly

38.7860, 0.2148, 0.2934

Monochromacy



Original Color

38.9814, 0.2098, 0.2751



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.6984, 0.2455, 0.3059

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9879, 0.2098, 0.2752 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 183, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 219) }
```

Border

The CSS property to change the border of an element to Yxy 38.9879, 0.2098, 0.2752 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, 219) }
```

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

```
.border{ border-color:rgb(0, 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(0, 183, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9879, 0.2098, 0.2752 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, 219) }
```

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

```
.background{ background-color: rgb(0, 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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