

Converting Colors

$Yxy(38.0954, 0.1995, 0.2383)$

Have a look what the booklet for
Yxy(38.0954, 0.1995, 0.2383)
contains.

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Color

Yxy(38.2516, 0.1998, 0.2392)

Conversions

Conversions Part 1

Format	Color
Hex	00B2F2
RGB	0, 178, 242
RGB Percent	0%, 70%, 95%
CMY	0.9988, 0.3020, 0.0509
CMYK	1.00, 0.26, 0.00, 0.05
HSL	196°, 100%, 48%
HSV	196°, 100%, 95%
XYZ	31.9510, 38.2516, 89.7122
YIQ	132.0740, -126.6320, -17.8320

Conversions

Conversions Part 2

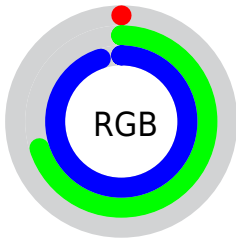
Format	Color
RYB	0, 103, 242
Decimal	45810
CIELab	68.21, -15.30, -42.31
CIELCh	68, 44.995, 250.124
Yxy	38.2516, 0.1998, 0.2392
Android (android.graphics.Color)	4278235890 (0xFF00B2F2)
YUV	132.0740, 54.1935, -115.8289
Hunter-Lab	61.8479, -16.0197, -42.7084

Details

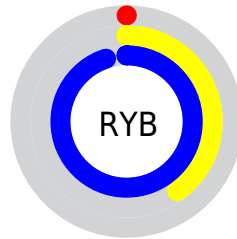
The Yxy color **38.2516, 0.1998, 0.2392** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle saturated azure. A complement of this color would be **22.5837, 0.6069, 0.3562**, and the grayscale version is **22.9727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3806, 0.2360, 0.3037**, and **18.2124, 0.1939, 0.2180** is the 20% darker color. If you saturate the color by 10%, you get **38.2181, 0.1998, 0.2391**, and if you desaturate by 10%, it is **41.0620, 0.2041, 0.2491**.

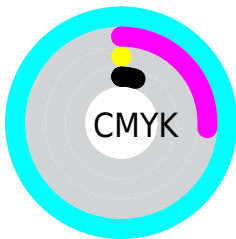
Distribution



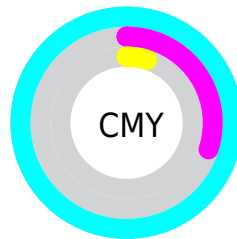
- Red (0%)
- Green (70%)
- Blue (95%)



- Red (0%)
- Yellow (40%)
- Blue (95%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (5%)





- Cyan (100%)
- Magenta (30%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2516, 0.1998, 0.2392 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 38.2516, 0.1998, 0.2392 by changing the saturation by 10% instead.

 38.2516, 0.1998,
0.2392


 38.2516, 0.1998,
0.2392


338.6980, 0.2545,
0.2849


 26.1780, 0.1871,
0.2280


 72.4936, 0.2191,
0.2557

 16.9569, 0.1714,
0.2138


 95.4308, 0.2265,
0.2620


 10.2037, 0.1517,
0.1955


 122.7581, 0.2329,
0.2673

 5.5343, 0.1267,
0.1714

 154.8597, 0.2384,
0.2718

 2.5640, 0.0950,
0.1389

 192.1201, 0.2432,
0.2757

 0.9086, 0.0517,
0.0958

234.9237, 0.2474,

 0.0000, 0.0000,

0.2792

0.0000

283.6549, 0.2512,
0.2822

■ 38.2516, 0.1998,
0.2392

■ 38.2516, 0.1998,
0.2392

■ 38.2181, 0.1998,
0.2391

■ 41.0620, 0.2041,
0.2491

■ 44.2388, 0.2101,
0.2591

■ 47.8597, 0.2181,
0.2691

■ 51.9719, 0.2281,
0.2790

■ 56.6149, 0.2398,
0.2887

■ 61.8237, 0.2529,
0.2980

■ 67.6294, 0.2671,
0.3067

■ 74.0610, 0.2821,
0.3149

■ 81.1450, 0.2974,
0.3223

Harmonies

Analogous

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



38.2516, 0.1966, 0.2789



38.2516, 0.1998, 0.2392



38.2516, 0.2287, 0.2255

Triad

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



38.2516, 0.1998, 0.2392



38.2516, 0.4115, 0.3065



38.2516, 0.3329, 0.4496

Complementary

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



38.2516, 0.1998, 0.2392



22.5837, 0.6069, 0.3562

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.



38.2516, 0.3945, 0.4434



38.2516, 0.1998, 0.2392



38.2516, 0.4446, 0.3565

Square

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



38.2516, 0.1998, 0.2392



38.2516, 0.3488, 0.2636



38.2516, 0.4368, 0.4060



38.2516, 0.2691, 0.4107

Rectangle

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



38.2516, 0.1998, 0.2392



38.2516, 0.2613, 0.2294



38.2516, 0.4368, 0.4060



38.2516, 0.3546, 0.4523

Sweetspot

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



38.2529, 0.1998, 0.2392



76.0114, 0.2668, 0.3065



63.8473, 0.2925, 0.5730



15.6612, 0.2607, 0.3029



0.0000, 0.0000, 0.0000



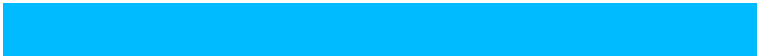
21.4041, 0.3127, 0.3290

Same Dimension

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



38.2529, 0.1998, 0.2392



42.9571, 0.1997, 0.2388



9.7229, 0.1574, 0.0865



17.1793, 0.2981, 0.3226



20.7643, 0.2002, 0.2407



1.8891, 0.2038, 0.2537

Inverse Universe

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



22.1003, 0.4031, 0.1995



24.8677, 0.4035, 0.1997



52.1668, 0.4726, 0.4629



15.9558, 0.3178, 0.3118



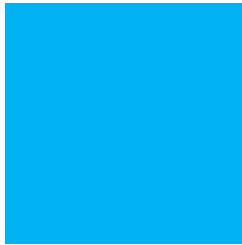
11.8895, 0.4016, 0.1986



1.0054, 0.3885, 0.1914

Previews

White Background



This preview shows how the Yxy color 38.2516, 0.1998, 0.2392 looks on a white background.

Color Contrast Check

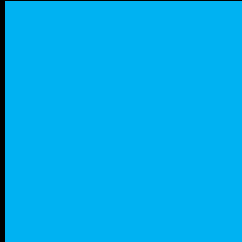
Large Text (above 18pt) WCAG AA × Fail

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 38.2516, 0.1998, 0.2392 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

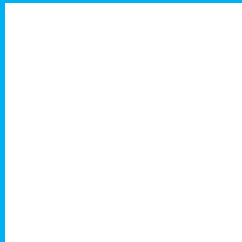
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.2516, 0.1998, 0.2392

Background



This preview shows how black text looks on a background with the Yxy color 38.2516, 0.1998, 0.2392.

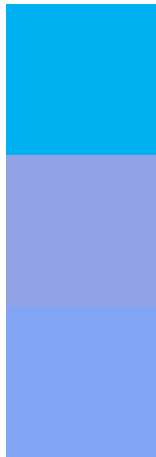


This preview shows how white text looks on a background with the Yxy color 38.2516, 0.1998, 0.2392.

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

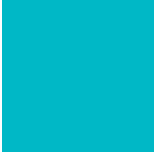
38.2516, 0.1998, 0.2392

Protanopia

37.9273, 0.2486, 0.2414

Deuteranopia

37.8893, 0.2312, 0.2249



Tritanopia

38.3582, 0.2185, 0.3067

Trichromacy



Original Color

38.2516, 0.1998, 0.2392

Protanomaly

36.2211, 0.2180, 0.2374

Deuteranomaly

36.7466, 0.2108, 0.2272

Tritanomaly

38.3109, 0.2112, 0.2803

Monochromacy



Original Color

38.2516, 0.1998, 0.2392

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

26.3583, 0.2397, 0.2891

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2516, 0.1998, 0.2392 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, 178, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 242)  
}
```

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, 178, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 242) }
```

Border

The CSS property to change the border of an element to Yxy 38.2516, 0.1998, 0.2392 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, 178, 242) }
```

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

```
.border{ border-color:rgb(0, 178, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 178, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2516, 0.1998, 0.2392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 242) }
```

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

```
.background{ background-color: rgb(0, 178,  
242) }
```

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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