

Converting Colors

$Yxy(38.8502, 0.2084, 0.2703)$

Have a look what the booklet for
Yxy(38.8502, 0.2084, 0.2703)
contains.

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Color

Yxy(38.7298, 0.2082, 0.2696)

Conversions

Conversions Part 1

Format	Color
Hex	00B6DE
RGB	0, 182, 222
RGB Percent	0%, 71%, 87%
CMY	1.0000, 0.2862, 0.1293
CMYK	1.00, 0.18, 0.00, 0.13
HSL	191°, 100%, 44%
HSV	191°, 100%, 87%
XYZ	29.9093, 38.7298, 75.0174
YIQ	132.1420, -121.3120, -26.1440

Conversions

Conversions Part 2

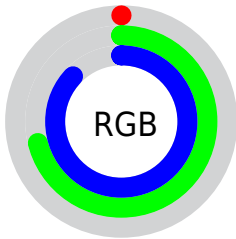
Format	Color
RYB	0, 100, 222
Decimal	46814
CIELab	68.56, -24.37, -30.86
CIELCh	69, 39.323, 231.698
Yxy	38.7298, 0.2082, 0.2696
Android (android.graphics.Color)	4278236894 (0xFF00B6DE)
YUV	132.1420, 44.3000, -115.8885
Hunter-Lab	62.2333, -23.1212, -27.9063

Details

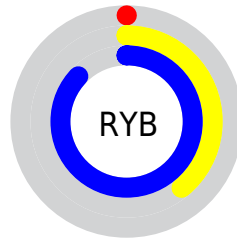
The Yxy color **38.7298, 0.2082, 0.2696** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **17.0503, 0.6227, 0.3437**, and the grayscale version is **23.0009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4332, 0.2357, 0.3085**, and **18.4905, 0.2040, 0.2545** is the 20% darker color. If you saturate the color by 10%, you get **38.7344, 0.2082, 0.2696**, and if you desaturate by 10%, it is **40.5696, 0.2115, 0.2761**.

Distribution



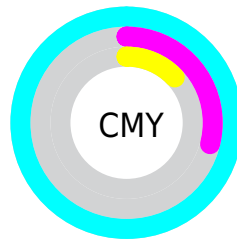
- Red (0%)
- Green (71%)
- Blue (87%)



- Red (0%)
- Yellow (39%)
- Blue (87%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (29%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7298, 0.2082, 0.2696 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 38.7298, 0.2082, 0.2696 by changing the saturation by 10% instead.


 38.7298, 0.2082,
0.2696


 38.7298, 0.2082,
0.2696


340.7403, 0.2593,
0.3012

 26.5496, 0.1961,
0.2613

 73.2254, 0.2264,
0.2814

 17.2352, 0.1809,
0.2506

 96.3095, 0.2333,
0.2857


 10.4024, 0.1616,
0.2361

 123.7971, 0.2393,
0.2894

 5.6665, 0.1366,
0.2159

 156.0725, 0.2444,
0.2925

 2.6434, 0.1037,
0.1864

 193.5201, 0.2488,
0.2951

 0.9485, 0.0463,
0.1439

236.5244, 0.2528,

 0.0000, 0.0000,

0.2974

0.0000

285.4697, 0.2562,
0.2994

■ 38.7298, 0.2082,
0.2696

■ 38.7298, 0.2082,
0.2696

■ 38.7344, 0.2082,
0.2696

■ 40.5696, 0.2115,
0.2761

■ 42.6507, 0.2164,
0.2826

■ 45.0428, 0.2232,
0.2891

■ 47.7828, 0.2319,
0.2956

■ 50.9019, 0.2424,
0.3020

■ 54.4276, 0.2546,
0.3081

■ 58.3845, 0.2680,
0.3139

■ 62.7949, 0.2823,
0.3194

■ 67.6798, 0.2973,
0.3244

Harmonies

Analogous

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



38.7298, 0.2205, 0.3184



38.7298, 0.2082, 0.2696



38.7298, 0.2200, 0.2427

Triad

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



38.7298, 0.2082, 0.2696



38.7298, 0.3671, 0.2849



38.7298, 0.3658, 0.4349

Complementary

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



38.7298, 0.2082, 0.2696



17.0503, 0.6227, 0.3437

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.



38.7298, 0.4106, 0.4124



38.7298, 0.2082, 0.2696



38.7298, 0.4136, 0.3268

Square

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



38.7298, 0.2082, 0.2696



38.7298, 0.3075, 0.2535



38.7298, 0.4294, 0.3721



38.7298, 0.3091, 0.4241

Rectangle

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



38.7298, 0.2082, 0.2696



38.7298, 0.2407, 0.2373



38.7298, 0.4294, 0.3721



38.7298, 0.3828, 0.4304

Sweetspot

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



38.7344, 0.2082, 0.2696



79.7819, 0.2676, 0.3138



52.3850, 0.2963, 0.5865



16.5695, 0.2618, 0.3114



0.0000, 0.0000, 0.0000



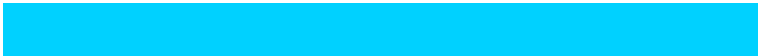
21.4041, 0.3127, 0.3290

Same Dimension

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



38.7344, 0.2082, 0.2696



52.8447, 0.2081, 0.2691



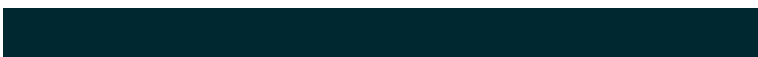
10.1731, 0.1628, 0.1059



15.1302, 0.2982, 0.3247



23.1530, 0.2085, 0.2706



1.7159, 0.2113, 0.2805

Inverse Universe

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



18.9100, 0.3732, 0.1830



25.8659, 0.3737, 0.1832



36.7155, 0.4943, 0.4457



13.8910, 0.3165, 0.3100



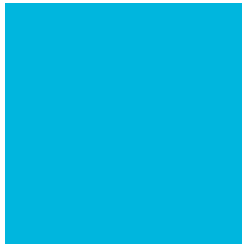
11.2453, 0.3723, 0.1824



0.7907, 0.3630, 0.1773

Previews

White Background



This preview shows how the Yxy color 38.7298, 0.2082, 0.2696 looks on a white background.

Color Contrast Check

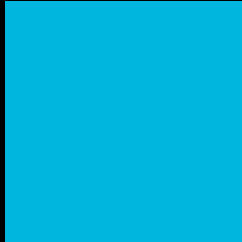
Large Text (above 18pt) WCAG AA × Fail

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 38.7298, 0.2082, 0.2696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

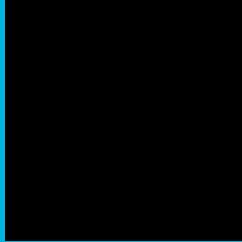
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.7298, 0.2082, 0.2696

Background



This preview shows how black text looks on a background with the Yxy color 38.7298, 0.2082, 0.2696.

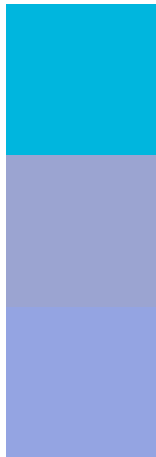


This preview shows how white text looks on a background with the Yxy color 38.7298, 0.2082, 0.2696.

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

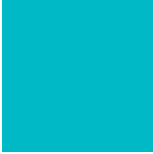
38.7298, 0.2082, 0.2696

Protanopia

38.1229, 0.2696, 0.2683

Deuteranopia

38.3378, 0.2533, 0.2476



Tritanopia

38.8214, 0.2186, 0.3068

Trichromacy



Original Color

38.7298, 0.2082, 0.2696



Protanomaly

36.6335, 0.2316, 0.2664



Deuteranomaly

36.9417, 0.2239, 0.2524



Tritanomaly

38.7860, 0.2148, 0.2934

Monochromacy



Original Color

38.7298, 0.2082, 0.2696



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.4141, 0.2445, 0.3024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7298, 0.2082, 0.2696 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, 182, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 222)  
}
```

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, 182, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 222) }
```

Border

The CSS property to change the border of an element to Yxy 38.7298, 0.2082, 0.2696 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, 182, 222) }
```

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

```
.border{ border-color:rgb(0, 182, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 182, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 182, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 182, 222); box-shadow:4px 4px 4px 4px rgb(0, 182, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7298, 0.2082, 0.2696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 222) }
```

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

```
.background{ background-color: rgb(0, 182,  
222) }
```

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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