

Converting Colors

$Y_{xy}(38.2334, 0.2096, 0.2721)$

Have a look what the booklet for
Yxy(38.2334, 0.2096, 0.2721)
contains.

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Color

Yxy(38.2404, 0.2096, 0.2721)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 0CB5DB |
| RGB | 12, 181, 219 |
| RGB Percent | 5%, 71%, 86% |
| CMY | 0.9543, 0.2902, 0.1412 |
| CMYK | 0.95, 0.17, 0.00, 0.14 |
| HSL | 191°, 90%, 45% |
| HSV | 191°, 95%, 86% |
| XYZ | 29.4568, 38.2404, 72.8409 |
| YIQ | 134.8010, -112.9220, -24.0100 |

Conversions

Conversions Part 2

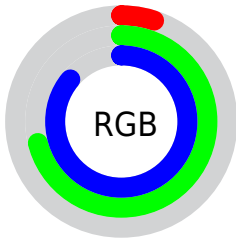
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 12, 105, 219 |
| Decimal | 832987 |
| CIE _{Lab} | 68.20, -24.55, -29.75 |
| CIE _{LCh} | 68, 38.575, 230.465 |
| Yxy | 38.2404, 0.2096, 0.2721 |
| Android (android.graphics.Color) | 4279023067 (0xFF0CB5DB) |
| YUV | 134.8010, 41.5101, -107.6965 |
| Hunter-Lab | 61.8388, -23.1899, -26.5514 |

Details

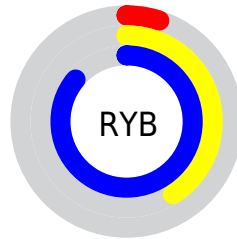
The Yxy color **38.2404, 0.2096, 0.2721** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **17.3349, 0.6103, 0.3480**, and the grayscale version is **23.9875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9765, 0.2361, 0.3074**, and **18.1187, 0.2048, 0.2574** is the 20% darker color. If you saturate the color by 10%, you get **37.3044, 0.2080, 0.2686**, and if you desaturate by 10%, it is **40.1538, 0.2137, 0.2787**.

Distribution



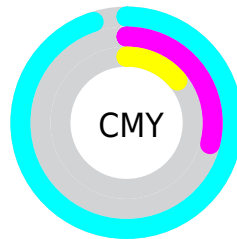
- Red (5%)
- Green (71%)
- Blue (86%)



- Red (5%)
- Yellow (41%)
- Blue (86%)



- Cyan (95%)
- Magenta (17%)
- Yellow (0%)
- Black (14%)




- Cyan (95%)
- Magenta (29%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2404, 0.2096, 0.2721 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 38.2404, 0.2096, 0.2721 by changing the saturation by 10% instead.


 38.2404, 0.2096,
0.2721


 38.2404, 0.2096,
0.2721


338.6501, 0.2602,
0.3025

 26.1693, 0.1975,
0.2641


 72.4765, 0.2276,
0.2835


 16.9504, 0.1824,
0.2536


 95.4102, 0.2345,
0.2877


 10.1991, 0.1631,
0.2395


 122.7337, 0.2404,
0.2912

 5.5312, 0.1379,
0.2195

 154.8312, 0.2455,
0.2941

 2.5622, 0.1046,
0.1902

 192.0872, 0.2499,
0.2967

 0.9077, 0.0429,
0.1478

234.8861, 0.2537,

 0.0000, 0.0000,

0.2989

0.0000

283.6123, 0.2572,
0.3008

■ 38.2404, 0.2096,
0.2721

■ 38.2404, 0.2096,
0.2721

■ 37.3044, 0.2080,
0.2686

■ 40.1538, 0.2137,
0.2787

■ 42.3489, 0.2196,
0.2854

■ 44.8666, 0.2275,
0.2920

■ 47.7395, 0.2373,
0.2985

■ 50.9954, 0.2487,
0.3049

■ 54.6595, 0.2615,
0.3110

■ 58.7543, 0.2755,
0.3167

■ 63.3008, 0.2903,
0.3220

■ 68.3182, 0.3055,
0.3269

Harmonies

Analogous

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



38.2404, 0.2227, 0.3210



38.2404, 0.2096, 0.2721



38.2404, 0.2203, 0.2445

Triad

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



38.2404, 0.2096, 0.2721



38.2404, 0.3641, 0.2840



38.2404, 0.3673, 0.4330

Complementary

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



38.2404, 0.2096, 0.2721



17.3349, 0.6103, 0.3480

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.



38.2404, 0.4106, 0.4100



38.2404, 0.2096, 0.2721



38.2404, 0.4108, 0.3251

Square

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



38.2404, 0.2096, 0.2721



38.2404, 0.3053, 0.2536



38.2404, 0.4278, 0.3698



38.2404, 0.3116, 0.4238

Rectangle

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



38.2404, 0.2096, 0.2721



38.2404, 0.2402, 0.2386



38.2404, 0.4278, 0.3698



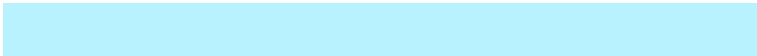
38.2404, 0.3839, 0.4282

Sweetspot

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



38.2417, 0.2096, 0.2721



80.8178, 0.2704, 0.3147



50.9340, 0.2952, 0.5789



16.7642, 0.2644, 0.3122



0.0000, 0.0000, 0.0000



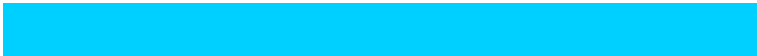
21.4041, 0.3127, 0.3290

Same Dimension

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



38.2417, 0.2096, 0.2721



52.4715, 0.2078, 0.2681



11.0401, 0.1666, 0.1160



14.4027, 0.2982, 0.3246



22.2701, 0.2082, 0.2696



1.5504, 0.2112, 0.2803

Inverse Universe

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



18.6502, 0.3706, 0.1834



25.8282, 0.3747, 0.1838



36.8591, 0.4877, 0.4476



13.2318, 0.3166, 0.3101



10.8719, 0.3732, 0.1829



0.7152, 0.3632, 0.1774

Previews

White Background



This preview shows how the Yxy color 38.2404, 0.2096, 0.2721 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 38.2404, 0.2096, 0.2721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

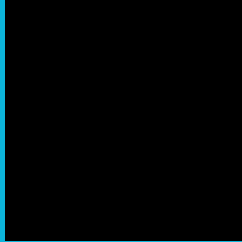
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.2404, 0.2096, 0.2721

Background



This preview shows how black text looks on a background with the Yxy color 38.2404, 0.2096, 0.2721.

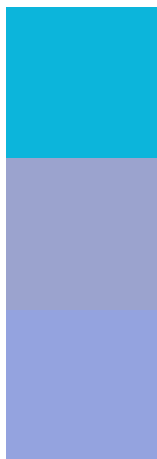


This preview shows how white text looks on a background with the Yxy color 38.2404, 0.2096, 0.2721.

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

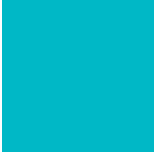
38.2404, 0.2096, 0.2721

Protanopia

37.6192, 0.2715, 0.2706

Deuteranopia

37.8180, 0.2549, 0.2496



Tritanopia

38.3582, 0.2185, 0.3067

Trichromacy



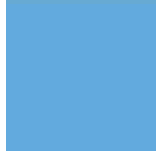
Original Color

38.2404, 0.2096, 0.2721



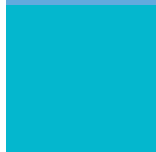
Protanomaly

36.3362, 0.2350, 0.2691



Deuteranomaly

36.6200, 0.2269, 0.2549



Tritanomaly

38.3490, 0.2150, 0.2932

Monochromacy



Original Color

38.2404, 0.2096, 0.2721



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.3833, 0.2484, 0.3046

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2404, 0.2096, 0.2721 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(12, 181, 219)` looks like.

```
.text, #text, p{  
    color:rgb(12, 181, 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(12, 181, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 181, 219) }
```

Border

The CSS property to change the border of an element to Yxy 38.2404, 0.2096, 0.2721 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(12, 181, 219) }
```

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

```
.border{ border-color:rgb(12, 181, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 181, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 181, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 181, 219);  
box-shadow:4px 4px 4px 4px rgb(12, 181,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2404, 0.2096, 0.2721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 181, 219) }
```

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

```
.background{ background-color: rgb(12, 181,  
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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