

Converting Colors

$Y_{xy}(37.5638, 0.2016, 0.2599)$

Have a look what the booklet for
Yxy(37.5638, 0.2016, 0.2599)
contains.

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Color

Yxy(38.1335, 0.2059, 0.2613)

Conversions

Conversions Part 1

Format	Color
Hex	00B4E2
RGB	0, 180, 226
RGB Percent	0%, 71%, 89%
CMY	1.0000, 0.2941, 0.1136
CMYK	1.00, 0.20, 0.00, 0.11
HSL	192°, 100%, 44%
HSV	192°, 100%, 89%
XYZ	30.0486, 38.1335, 77.7556
YIQ	131.4240, -122.0460, -23.8540

Conversions

Conversions Part 2

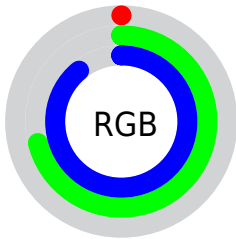
Format	Color
RYB	0, 100, 226
Decimal	46306
CIELab	68.12, -21.97, -33.73
CIELCh	68, 40.255, 236.931
Yxy	38.1335, 0.2059, 0.2613
Android (android.graphics.Color)	4278236386 (0xFF00B4E2)
YUV	131.4240, 46.6260, -115.2588
Hunter-Lab	61.7523, -21.2088, -31.4285

Details

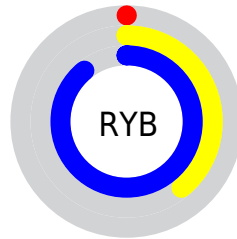
The Yxy color **38.1335, 0.2059, 0.2613** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **18.1317, 0.6189, 0.3468**, and the grayscale version is **22.7217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3367, 0.2355, 0.3061**, and **18.0810, 0.2015, 0.2455** is the 20% darker color. If you saturate the color by 10%, you get **38.1375, 0.2059, 0.2613**, and if you desaturate by 10%, it is **40.2047, 0.2095, 0.2687**.

Distribution



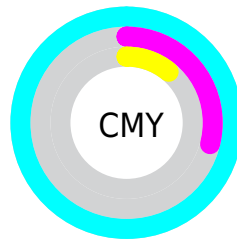
- Red (0%)
- Green (71%)
- Blue (89%)



- Red (0%)
- Yellow (39%)
- Blue (89%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (29%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.1335, 0.2059, 0.2613 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 38.1335, 0.2059, 0.2613 by changing the saturation by 10% instead.

■ 38.1335, 0.2059,
0.2613

■ 38.1335, 0.2059,
0.2613

■ 338.1923, 0.2581,
0.2969

■ 26.0863, 0.1935,
0.2521

■ 72.3127, 0.2244,
0.2745

■ 16.8882, 0.1781,
0.2403

■ 95.2135, 0.2315,
0.2794

■ 10.1548, 0.1586,
0.2245

■ 122.5010, 0.2376,
0.2835

■ 5.5017, 0.1333,
0.2027

■ 154.5596, 0.2428,
0.2870

■ 2.5445, 0.1004,
0.1716

■ 191.7736, 0.2474,
0.2900

■ 0.8989, 0.0452,
0.1278

234.5274, 0.2514,

■ 0.0000, 0.0000,

0.2926

0.0000

283.2056, 0.2550,
0.2949

■ 38.1335, 0.2059,
0.2613

■ 38.1335, 0.2059,
0.2613

■ 38.1375, 0.2059,
0.2613

■ 40.2047, 0.2095,
0.2687

■ 42.5419, 0.2146,
0.2761

■ 45.2165, 0.2218,
0.2836

■ 48.2673, 0.2308,
0.2911

■ 51.7273, 0.2417,
0.2983

■ 55.6251, 0.2541,
0.3053

■ 59.9867, 0.2677,
0.3119

■ 64.8357, 0.2822,
0.3181

■ 70.1940, 0.2973,
0.3238

Harmonies

Analogous

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



38.1335, 0.2140, 0.3078



38.1335, 0.2059, 0.2613



38.1335, 0.2222, 0.2380

Triad

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



38.1335, 0.2059, 0.2613



38.1335, 0.3786, 0.2906



38.1335, 0.3574, 0.4389

Complementary

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



38.1335, 0.2059, 0.2613



18.1317, 0.6189, 0.3468

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.



38.1335, 0.4067, 0.4204



38.1335, 0.2059, 0.2613



38.1335, 0.4220, 0.3345

Square

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



38.1335, 0.2059, 0.2613



38.1335, 0.3180, 0.2562



38.1335, 0.4318, 0.3808



38.1335, 0.2986, 0.4212

Rectangle

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



38.1335, 0.2059, 0.2613



38.1335, 0.2459, 0.2352



38.1335, 0.4318, 0.3808



38.1335, 0.3757, 0.4362

Sweetspot

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



38.1375, 0.2059, 0.2613



78.7236, 0.2674, 0.3118



54.6050, 0.2949, 0.5817



16.3141, 0.2615, 0.3090



0.0000, 0.0000, 0.0000



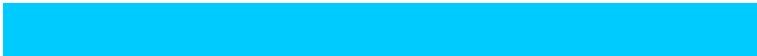
21.4041, 0.3127, 0.3290

Same Dimension

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



38.1375, 0.2059, 0.2613



49.9637, 0.2058, 0.2608



9.6046, 0.1605, 0.0976



15.0734, 0.2982, 0.3241



21.9228, 0.2063, 0.2625



1.6409, 0.2094, 0.2739

Inverse Universe

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



19.4705, 0.3811, 0.1873



25.5750, 0.3816, 0.1876



40.7064, 0.4854, 0.4528



13.8853, 0.3169, 0.3105



11.1212, 0.3800, 0.1867



0.7831, 0.3692, 0.1807

Previews

White Background



This preview shows how the Yxy color 38.1335, 0.2059, 0.2613 looks on a white background.

Color Contrast Check

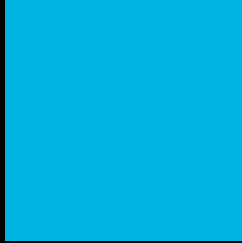
Large Text (above 18pt) WCAG AA × Fail

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 38.1335, 0.2059, 0.2613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

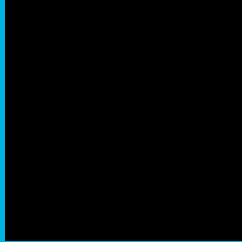
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.1335, 0.2059, 0.2613

Background



This preview shows how black text looks on a background with the Yxy color 38.1335, 0.2059, 0.2613.

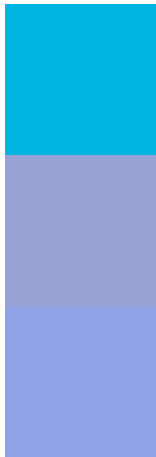


This preview shows how white text looks on a background with the Yxy color 38.1335, 0.2059, 0.2613.

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

38.1335, 0.2059, 0.2613

Protanopia

37.6739, 0.2644, 0.2617

Deuteranopia

37.7472, 0.2472, 0.2411



Tritanopia

37.9442, 0.2181, 0.3050

Trichromacy



Original Color

38.1335, 0.2059, 0.2613



Protanomaly

35.9793, 0.2280, 0.2582



Deuteranomaly

36.2572, 0.2201, 0.2445



Tritanomaly

38.0100, 0.2135, 0.2887

Monochromacy



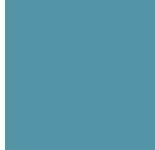
Original Color

38.1335, 0.2059, 0.2613



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

26.0871, 0.2429, 0.2989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1335, 0.2059, 0.2613 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, 180, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 180, 226)  
}
```

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, 180, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 226) }
```

Border

The CSS property to change the border of an element to Yxy 38.1335, 0.2059, 0.2613 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, 180, 226) }
```

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

```
.border{ border-color:rgb(0, 180, 226) }
```

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

Here you see how a box with a 4 pixel rgb(0, 180, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 180,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1335, 0.2059, 0.2613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 180, 226) }
```

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

```
.background{ background-color: rgb(0, 180,  
226) }
```

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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