

Converting Colors

$Y_{xy}(36.0175, 0.1809, 0.2432)$

Have a look what the booklet for
Yxy(36.0175, 0.1809, 0.2432)
contains.

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Color

Yxy(38.3546, 0.2018, 0.2464)

Conversions

Conversions Part 1

Format	Color
Hex	00B3ED
RGB	0, 179, 237
RGB Percent	0%, 70%, 93%
CMY	0.9988, 0.2981, 0.0705
CMYK	1.00, 0.24, 0.00, 0.07
HSL	195°, 100%, 47%
HSV	195°, 100%, 93%
XYZ	31.4122, 38.3546, 85.8931
YIQ	132.0910, -125.3020, -19.9100

Conversions

Conversions Part 2

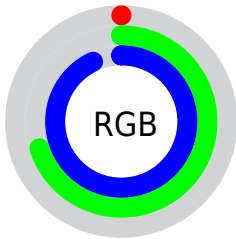
Format	Color
RYB	0, 102, 237
Decimal	46061
CIELab	68.28, -17.59, -39.49
CIELCh	68, 43.225, 245.990
Yxy	38.3546, 0.2018, 0.2464
Android (android.graphics.Color)	4278236141 (0xFF00B3ED)
YUV	132.0910, 51.7201, -115.8438
Hunter-Lab	61.9311, -17.8421, -38.8784

Details

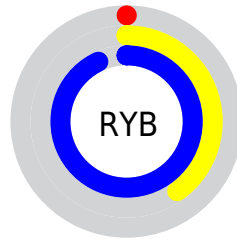
The Yxy color **38.3546, 0.2018, 0.2464** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **21.0720, 0.6109, 0.3530**, and the grayscale version is **22.9874, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8879, 0.2359, 0.3049**, and **18.2579, 0.1964, 0.2269** is the 20% darker color. If you saturate the color by 10%, you get **38.3239, 0.2018, 0.2463**, and if you desaturate by 10%, it is **40.9270, 0.2058, 0.2555**.

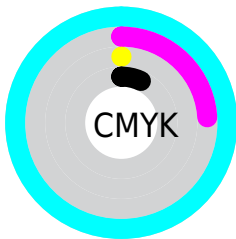
Distribution



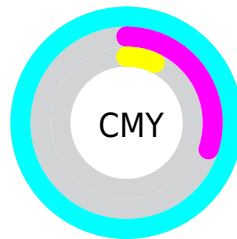
- Red (0%)
- Green (70%)
- Blue (93%)



- Red (0%)
- Yellow (40%)
- Blue (93%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (7%)





- Cyan (100%)
- Magenta (30%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3546, 0.2018, 0.2464 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 38.3546, 0.2018, 0.2464 by changing the saturation by 10% instead.


 38.3546, 0.2018,
0.2464


 38.3546, 0.2018,
0.2464


339.1387, 0.2557,
0.2888


 26.2580, 0.1892,
0.2358


 72.6513, 0.2208,
0.2619


 17.0168, 0.1736,
0.2224


 95.6203, 0.2281,
0.2677

 10.2464, 0.1540,
0.2048


 122.9821, 0.2344,
0.2726

 5.5627, 0.1290,
0.1814

 155.1212, 0.2398,
0.2768

 2.5810, 0.0969,
0.1492

 192.4221, 0.2446,
0.2804

 0.9171, 0.0509,
0.1056

235.2690, 0.2487,

 0.0000, 0.0000,

0.2836

0.0000

284.0464, 0.2524,
0.2864

■ 38.3546, 0.2018,
0.2464

■ 38.3546, 0.2018,
0.2464

■ 38.3239, 0.2018,
0.2463

■ 40.9270, 0.2058,
0.2555

■ 43.8323, 0.2116,
0.2646

■ 47.1449, 0.2193,
0.2738

■ 50.9091, 0.2290,
0.2830

■ 55.1623, 0.2404,
0.2919

■ 59.9372, 0.2533,
0.3004

■ 65.2634, 0.2674,
0.3084

■ 71.1679, 0.2822,
0.3159

■ 77.6758, 0.2975,
0.3228

Harmonies

Analogous

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



38.3546, 0.2023, 0.2884



38.3546, 0.2018, 0.2464



38.3546, 0.2264, 0.2296

Triad

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



38.3546, 0.2018, 0.2464



38.3546, 0.4004, 0.3012



38.3546, 0.3412, 0.4462

Complementary

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



38.3546, 0.2018, 0.2464



21.0720, 0.6109, 0.3530

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.



38.3546, 0.3988, 0.4356



38.3546, 0.2018, 0.2464



38.3546, 0.4372, 0.3491

Square

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



38.3546, 0.2018, 0.2464



38.3546, 0.3383, 0.2611



38.3546, 0.4354, 0.3975



38.3546, 0.2790, 0.4145

Rectangle

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



38.3546, 0.2018, 0.2464



38.3546, 0.2560, 0.2313



38.3546, 0.4354, 0.3975



38.3546, 0.3617, 0.4469

Sweetspot

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



38.3559, 0.2018, 0.2464



76.8758, 0.2670, 0.3082



60.8707, 0.2934, 0.5760



15.8690, 0.2610, 0.3049



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.



38.3559, 0.2018, 0.2464



45.1305, 0.2017, 0.2459



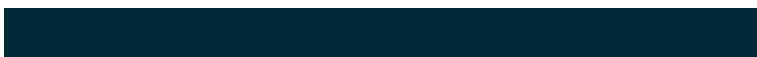
9.7215, 0.1584, 0.0901



16.4598, 0.2981, 0.3231



21.1333, 0.2022, 0.2478



1.8082, 0.2057, 0.2604

Inverse Universe

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



21.2713, 0.3958, 0.1955



25.0871, 0.3963, 0.1957



48.2467, 0.4768, 0.4596



15.2470, 0.3175, 0.3114



11.6262, 0.3944, 0.1947



0.9280, 0.3821, 0.1878

Previews

White Background



This preview shows how the Yxy color 38.3546, 0.2018, 0.2464 looks on a white background.

Color Contrast Check

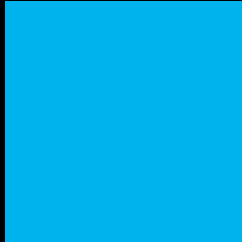
Large Text (above 18pt) WCAG AA × Fail

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 38.3546, 0.2018, 0.2464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

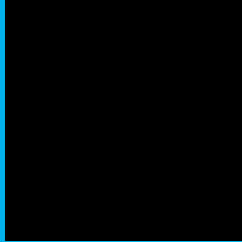
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

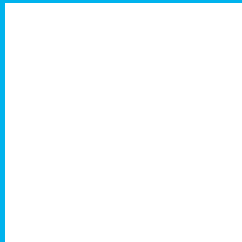
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.3546, 0.2018, 0.2464

Background



This preview shows how black text looks on a background with the Yxy color 38.3546, 0.2018, 0.2464.

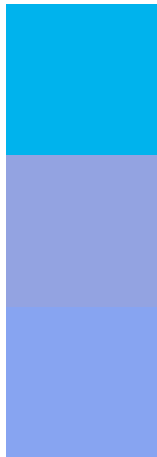


This preview shows how white text looks on a background with the Yxy color 38.3546, 0.2018, 0.2464.

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

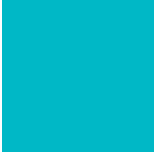
38.3546, 0.2018, 0.2464

Protanopia

37.8337, 0.2530, 0.2472

Deuteranopia

38.0527, 0.2362, 0.2297



Tritanopia

38.3582, 0.2185, 0.3067

Trichromacy



Original Color

38.3546, 0.2018, 0.2464



Protanomaly

36.4128, 0.2214, 0.2447



Deuteranomaly

36.6456, 0.2135, 0.2317



Tritanomaly

38.2094, 0.2120, 0.2831

Monochromacy



Original Color

38.3546, 0.2018, 0.2464



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.2820, 0.2409, 0.2923

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3546, 0.2018, 0.2464 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, 179, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 237)  
}
```

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, 179, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 237) }
```

Border

The CSS property to change the border of an element to Yxy 38.3546, 0.2018, 0.2464 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, 179, 237) }
```

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

```
.border{ border-color:rgb(0, 179, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 179, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3546, 0.2018, 0.2464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 179, 237) }
```

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

```
.background{ background-color: rgb(0, 179,  
237) }
```

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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