

Converting Colors

$Y_{xy}(36.6320, 0.1830, 0.2480)$

Have a look what the booklet for
Yxy(36.6320, 0.1830, 0.2480)
contains.

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Color

Yxy(39.0459, 0.2033, 0.2518)

Conversions

Conversions Part 1

Format	Color
Hex	00B5EB
RGB	0, 181, 235
RGB Percent	0%, 71%, 92%
CMY	0.9988, 0.2902, 0.0783
CMYK	1.00, 0.23, 0.00, 0.08
HSL	194°, 100%, 46%
HSV	194°, 100%, 92%
XYZ	31.5251, 39.0459, 84.4961
YIQ	133.0370, -125.2100, -21.5780

Conversions

Conversions Part 2

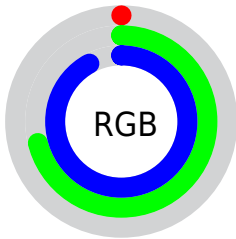
Format	Color
R _{YB}	0, 102, 235
Decimal	46571
CIE _{Lab}	68.78, -19.34, -37.61
CIE _{LCh}	69, 42.293, 242.782
Yxy	39.0459, 0.2033, 0.2518
Android (android.graphics.Color)	4278236651 (0xFF00B5EB)
YUV	133.0370, 50.2678, -116.6734
Hunter-Lab	62.4867, -19.2968, -36.4327

Details

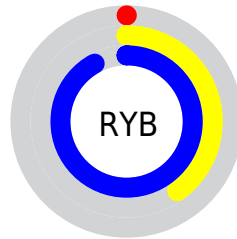
The Yxy color **39.0459, 0.2033, 0.2518** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **20.3389, 0.6139, 0.3506**, and the grayscale version is **23.3525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.0396, 0.2364, 0.3074**, and **18.6930, 0.1983, 0.2338** is the 20% darker color. If you saturate the color by 10%, you get **39.0166, 0.2033, 0.2517**, and if you desaturate by 10%, it is **41.4805, 0.2071, 0.2603**.

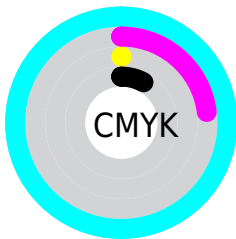
Distribution



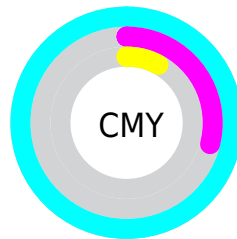
- Red (0%)
- Green (71%)
- Blue (92%)



- Red (0%)
- Yellow (40%)
- Blue (92%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (8%)




- Cyan (100%)
- Magenta (29%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.0459, 0.2033, 0.2518 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 39.0459, 0.2033, 0.2518 by changing the saturation by 10% instead.


 39.0459, 0.2033,
0.2518


 39.0459, 0.2033,
0.2518


342.0856, 0.2564,
0.2917


 26.7954, 0.1909,
0.2418


 73.7084, 0.2220,
0.2664

 17.4196, 0.1755,
0.2290


 96.8893, 0.2293,
0.2719


 10.5341, 0.1561,
0.2122


 124.4824, 0.2354,
0.2765

 5.7545, 0.1313,
0.1896

 156.8722, 0.2408,
0.2804

 2.6964, 0.0994,
0.1583

 194.4430, 0.2454,
0.2838

 0.9754, 0.0533,
0.1149

237.5792, 0.2495,

 0.0000, 0.0000,

0.2868

0.0000

286.6653, 0.2532,
0.2894

■ 39.0459, 0.2033,
0.2518

■ 39.0459, 0.2033,
0.2518

■ 39.0166, 0.2033,
0.2517

■ 41.4805, 0.2071,
0.2603

■ 44.2302, 0.2127,
0.2688

■ 47.3681, 0.2202,
0.2774

■ 50.9374, 0.2297,
0.2859

■ 54.9745, 0.2409,
0.2942

■ 59.5112, 0.2536,
0.3022

■ 64.5763, 0.2675,
0.3097

■ 70.1961, 0.2822,
0.3167

■ 76.3949, 0.2975,
0.3232

Harmonies

Analogous

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



39.0459, 0.2066, 0.2955



39.0459, 0.2033, 0.2518



39.0459, 0.2249, 0.2326

Triad

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



39.0459, 0.2033, 0.2518



39.0459, 0.3924, 0.2973



39.0459, 0.3472, 0.4435

Complementary

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



39.0459, 0.2033, 0.2518



20.3389, 0.6139, 0.3506

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.



39.0459, 0.4018, 0.4299



39.0459, 0.2033, 0.2518



39.0459, 0.4317, 0.3438

Square

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



39.0459, 0.2033, 0.2518



39.0459, 0.3307, 0.2593



39.0459, 0.4342, 0.3913



39.0459, 0.2862, 0.4171

Rectangle

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



39.0459, 0.2033, 0.2518



39.0459, 0.2523, 0.2327



39.0459, 0.4342, 0.3913



39.0459, 0.3669, 0.4430

Sweetspot

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



39.0472, 0.2033, 0.2518



77.5377, 0.2671, 0.3095



59.6777, 0.2942, 0.5790



16.0283, 0.2612, 0.3064



0.0000, 0.0000, 0.0000



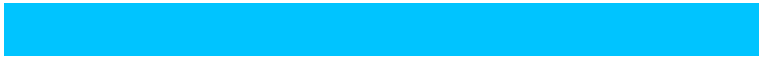
21.4041, 0.3127, 0.3290

Same Dimension

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



39.0472, 0.2033, 0.2518



46.8326, 0.2032, 0.2513



9.9940, 0.1594, 0.0937



16.4996, 0.2981, 0.3234



21.9105, 0.2036, 0.2531



1.8634, 0.2069, 0.2648

Inverse Universe

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



21.0103, 0.3904, 0.1925



25.2589, 0.3909, 0.1927



45.8684, 0.4811, 0.4562



15.2510, 0.3173, 0.3110



11.7047, 0.3892, 0.1918



0.9335, 0.3778, 0.1855

Previews

White Background



This preview shows how the Yxy color 39.0459, 0.2033, 0.2518 looks on a white background.

Color Contrast Check

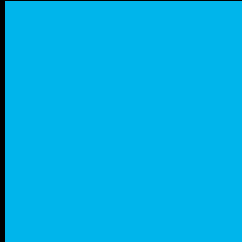
Large Text (above 18pt) WCAG AA × Fail

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 39.0459, 0.2033, 0.2518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

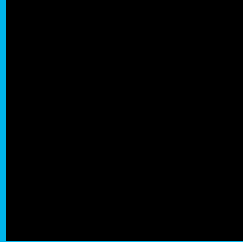
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.0459, 0.2033, 0.2518

Background



This preview shows how black text looks on a background with the Yxy color 39.0459, 0.2033, 0.2518.



This preview shows how white text looks on a background with the Yxy color 39.0459, 0.2033, 0.2518.

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

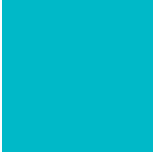
39.0459, 0.2033, 0.2518

Protanopia

38.6682, 0.2574, 0.2537

Deuteranopia

38.6312, 0.2400, 0.2336



Tritanopia

38.8681, 0.2181, 0.3053

Trichromacy



Original Color

39.0459, 0.2033, 0.2518



Protanomaly

37.1587, 0.2239, 0.2502



Deuteranomaly

37.4227, 0.2161, 0.2371



Tritanomaly

39.0851, 0.2125, 0.2849

Monochromacy



Original Color

39.0459, 0.2033, 0.2518



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

26.6463, 0.2419, 0.2942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.0459, 0.2033, 0.2518 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, 181, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 235)  
}
```

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, 181, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 235) }
```

Border

The CSS property to change the border of an element to Yxy 39.0459, 0.2033, 0.2518 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, 181, 235) }
```

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

```
.border{ border-color:rgb(0, 181, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 39.0459, 0.2033, 0.2518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 235) }
```

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

```
.background{ background-color: rgb(0, 181,  
235) }
```

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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