

Converting Colors

$Y_{xy}(32.3493, 0.1355, 0.2392)$

Have a look what the booklet for
Yxy(32.3493, 0.1355, 0.2392)
contains.

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Color

Yxy(39.1039, 0.2030, 0.2507)

Conversions

Conversions Part 1

Format	Color
Hex	00B5EC
RGB	0, 181, 236
RGB Percent	0%, 71%, 93%
CMY	0.9984, 0.2902, 0.0746
CMYK	1.00, 0.23, 0.00, 0.07
HSL	194°, 100%, 46%
HSV	194°, 100%, 93%
XYZ	31.6637, 39.1039, 85.2113
YIQ	133.1510, -125.5310, -21.2670

Conversions

Conversions Part 2

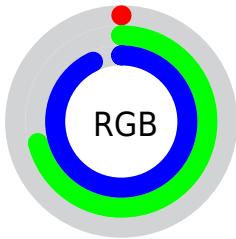
Format	Color
RYB	0, 102, 236
Decimal	46572
CIELab	68.83, -19.02, -38.05
CIELCh	69, 42.543, 243.445
Yxy	39.1039, 0.2030, 0.2507
Android (android.graphics.Color)	4278236652 (0xFF00B5EC)
YUV	133.1510, 50.7046, -116.7734
Hunter-Lab	62.5331, -19.0493, -37.0188

Details

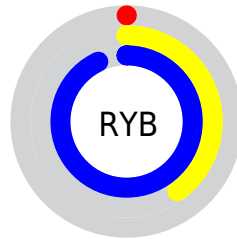
The Yxy color **39.1039, 0.2030, 0.2507** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **20.5972, 0.6132, 0.3511**, and the grayscale version is **23.4059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.0396, 0.2364, 0.3074**, and **18.7336, 0.1979, 0.2323** is the 20% darker color. If you saturate the color by 10%, you get **39.0633, 0.2029, 0.2506**, and if you desaturate by 10%, it is **41.5807, 0.2069, 0.2593**.

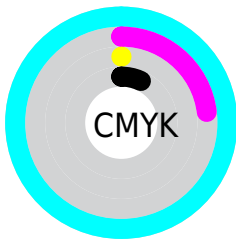
Distribution



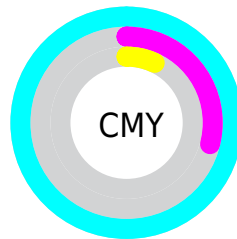
- Red (0%)
- Green (71%)
- Blue (93%)



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



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (7%)





- Cyan (100%)
- Magenta (29%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.1039, 0.2030, 0.2507 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 39.1039, 0.2030, 0.2507 by changing the saturation by 10% instead.


 39.1039, 0.2030,
0.2507


 39.1039, 0.2030,
0.2507


342.3320, 0.2562,
0.2911


 26.8406, 0.1906,
0.2406


 73.7970, 0.2218,
0.2655


 17.4535, 0.1752,
0.2277


 96.9956, 0.2290,
0.2710


 10.5584, 0.1558,
0.2108


 124.6080, 0.2352,
0.2757

 5.7707, 0.1310,
0.1881

 157.0187, 0.2405,
0.2796

 2.7062, 0.0992,
0.1567

 194.6121, 0.2452,
0.2831

 0.9803, 0.0538,
0.1135

237.7725, 0.2493,

 0.0000, 0.0000,

0.2861

0.0000

286.8843, 0.2530,
0.2887

■ 39.1039, 0.2030,
0.2507

■ 39.1039, 0.2030,
0.2507

■ 39.0633, 0.2029,
0.2506

■ 41.5807, 0.2069,
0.2593

■ 44.3786, 0.2125,
0.2680

■ 47.5710, 0.2201,
0.2767

■ 51.2012, 0.2296,
0.2853

■ 55.3061, 0.2409,
0.2938

■ 59.9179, 0.2536,
0.3018

■ 65.0658, 0.2675,
0.3095

■ 70.7762, 0.2823,
0.3166

■ 77.0737, 0.2975,
0.3231

Harmonies

Analogous

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



39.1039, 0.2057, 0.2941



39.1039, 0.2030, 0.2507



39.1039, 0.2252, 0.2320

Triad

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



39.1039, 0.2030, 0.2507



39.1039, 0.3940, 0.2981



39.1039, 0.3460, 0.4441

Complementary

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



39.1039, 0.2030, 0.2507



20.5972, 0.6132, 0.3511

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.



39.1039, 0.4012, 0.4311



39.1039, 0.2030, 0.2507



39.1039, 0.4328, 0.3449

Square

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



39.1039, 0.2030, 0.2507



39.1039, 0.3322, 0.2597



39.1039, 0.4344, 0.3925



39.1039, 0.2847, 0.4166

Rectangle

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



39.1039, 0.2030, 0.2507



39.1039, 0.2530, 0.2324



39.1039, 0.4344, 0.3925



39.1039, 0.3659, 0.4437

Sweetspot

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



39.1052, 0.2030, 0.2507



77.3986, 0.2671, 0.3093



60.2551, 0.2933, 0.5759



15.9948, 0.2611, 0.3061



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.



39.1052, 0.2030, 0.2507



46.4723, 0.2028, 0.2502



9.6374, 0.1584, 0.0902



16.4913, 0.2981, 0.3234



21.7460, 0.2033, 0.2519



1.8517, 0.2066, 0.2639

Inverse Universe

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



21.1728, 0.3915, 0.1931



25.2226, 0.3920, 0.1933



47.7747, 0.4767, 0.4596



15.2501, 0.3173, 0.3111



11.6881, 0.3903, 0.1924



0.9323, 0.3787, 0.1860

Previews

White Background



This preview shows how the Yxy color 39.1039, 0.2030, 0.2507 looks on a white background.

Color Contrast Check

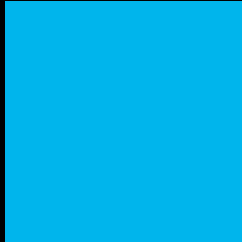
Large Text (above 18pt) WCAG AA × Fail

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 39.1039, 0.2030, 0.2507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

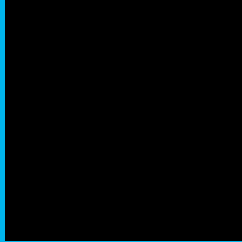
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.1039, 0.2030, 0.2507

Background



This preview shows how black text looks on a background with the Yxy color 39.1039, 0.2030, 0.2507.



This preview shows how white text looks on a background with the Yxy color 39.1039, 0.2030, 0.2507.

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

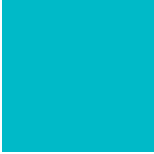
39.1039, 0.2030, 0.2507

Protanopia

38.7220, 0.2567, 0.2526

Deuteranopia

38.6905, 0.2395, 0.2326



Tritanopia

39.2879, 0.2186, 0.3069

Trichromacy



Original Color

39.1039, 0.2030, 0.2507



Protanomaly

37.2141, 0.2235, 0.2490



Deuteranomaly

37.4817, 0.2157, 0.2360



Tritanomaly

39.0851, 0.2125, 0.2849

Monochromacy



Original Color

39.1039, 0.2030, 0.2507



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 39.1039, 0.2030, 0.2507 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 236) }
```

Border

The CSS property to change the border of an element to Yxy 39.1039, 0.2030, 0.2507 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, 236) }
```

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

```
.border{ border-color:rgb(0, 181, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 236);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 39.1039, 0.2030, 0.2507 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, 236) }
```

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

```
.background{ background-color: rgb(0, 181,  
236) }
```

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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