

Converting Colors

$Y_{xy}(38.4171, 0.1882, 0.2430)$

Have a look what the booklet for
Yxy(38.4171, 0.1882, 0.2430)
contains.

Yxy(39.8667, 0.2015, 0.2452)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(39.8667, 0.2015, 0.2452)

Conversions

Conversions Part 1

Format	Color
Hex	01B6F2
RGB	1, 182, 242
RGB Percent	0%, 71%, 95%
CMY	0.9961, 0.2863, 0.0510
CMYK	1.00, 0.25, 0.00, 0.05
HSL	195°, 99%, 48%
HSV	195°, 100%, 95%
XYZ	32.7616, 39.8667, 89.9602
YIQ	134.7210, -127.1360, -19.7120

Conversions

Conversions Part 2

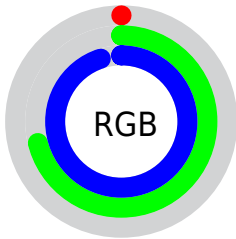
Format	Color
R _Y B	1, 104, 242
Decimal	112370
CIE Lab	69.37, -17.42, -40.47
CIE LCh	69, 44.062, 246.712
Yxy	39.8667, 0.2015, 0.2452
Android (android.graphics.Color)	4278302450 (0xFF01B6F2)
YUV	134.7210, 52.8885, -117.2733
Hunter-Lab	63.1401, -17.8766, -40.2767

Details

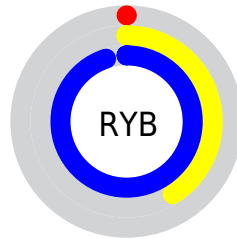
The Yxy color **39.8667, 0.2015, 0.2452** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **22.2123, 0.6097, 0.3537**, and the grayscale version is **23.9513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6841, 0.2370, 0.3086**, and **19.2457, 0.1961, 0.2258** is the 20% darker color. If you saturate the color by 10%, you get **39.7612, 0.2014, 0.2448**, and if you desaturate by 10%, it is **42.5914, 0.2056, 0.2544**.

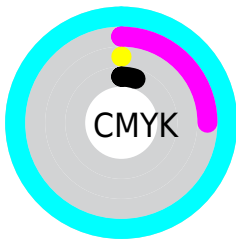
Distribution



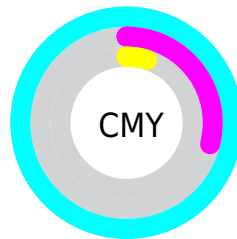
- Red (0%)
- Green (71%)
- Blue (95%)



- Red (0%)
- Yellow (41%)
- Blue (95%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (5%)




- Cyan (100%)
- Magenta (29%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8667, 0.2015, 0.2452 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 39.8667, 0.2015, 0.2452 by changing the saturation by 10% instead.


 39.8667, 0.2015,
0.2452


 39.8667, 0.2015,
0.2452

345.5614, 0.2552,
0.2879

 27.4346, 0.1891,
0.2347


 74.9605, 0.2204,
0.2607

 17.8999, 0.1737,
0.2213


 98.3910, 0.2276,
0.2665

 10.8782, 0.1545,
0.2041


 126.2564, 0.2339,
0.2715

 5.9850, 0.1301,
0.1811

 158.9412, 0.2393,
0.2757

 2.8359, 0.0990,
0.1498

 196.8297, 0.2440,
0.2794

 1.0467, 0.0576,
0.1075

240.3063, 0.2482,

 0.0000, 0.0000,

0.2826

0.0000

289.7554, 0.2519,
0.2854

■ 39.8667, 0.2015,
0.2452

■ 39.8667, 0.2015,
0.2452

■ 39.7612, 0.2014,
0.2448

■ 42.5914, 0.2056,
0.2544

■ 45.6730, 0.2114,
0.2638

■ 49.1865, 0.2193,
0.2731

■ 53.1785, 0.2291,
0.2824

■ 57.6881, 0.2406,
0.2915

■ 62.7497, 0.2536,
0.3001

■ 68.3944, 0.2677,
0.3083

■ 74.6506, 0.2826,
0.3159

■ 81.5447, 0.2979,
0.3229

Harmonies

Analogous

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



39.8667, 0.2014, 0.2868



39.8667, 0.2015, 0.2452



39.8667, 0.2269, 0.2289

Triad

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



39.8667, 0.2015, 0.2452



39.8667, 0.4023, 0.3021



39.8667, 0.3398, 0.4467

Complementary

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



39.8667, 0.2015, 0.2452



22.2123, 0.6097, 0.3537

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.



39.8667, 0.3981, 0.4369



39.8667, 0.2015, 0.2452



39.8667, 0.4384, 0.3504

Square

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



39.8667, 0.2015, 0.2452



39.8667, 0.3400, 0.2616



39.8667, 0.4356, 0.3989



39.8667, 0.2773, 0.4139

Rectangle

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



39.8667, 0.2015, 0.2452



39.8667, 0.2570, 0.2310



39.8667, 0.4356, 0.3989



39.8667, 0.3605, 0.4478

Sweetspot

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



39.8680, 0.2015, 0.2452



76.7097, 0.2670, 0.3079



63.7994, 0.2933, 0.5758



15.8291, 0.2609, 0.3045



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.



39.8680, 0.2015, 0.2452



44.7085, 0.2013, 0.2446



10.2259, 0.1585, 0.0903



17.2236, 0.2981, 0.3230



21.5905, 0.2018, 0.2464



1.9520, 0.2052, 0.2585

Inverse Universe

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



22.2730, 0.3970, 0.1962



25.0445, 0.3977, 0.1964



50.6058, 0.4766, 0.4596



15.9602, 0.3176, 0.3114



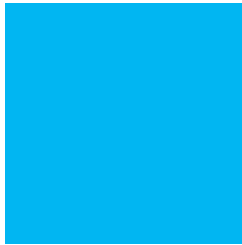
11.9729, 0.3959, 0.1954



1.0118, 0.3838, 0.1888

Previews

White Background



This preview shows how the Yxy color 39.8667, 0.2015, 0.2452 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 39.8667, 0.2015, 0.2452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

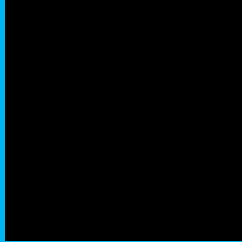
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.8667, 0.2015, 0.2452

Background



This preview shows how black text looks on a background with the Yxy color 39.8667, 0.2015, 0.2452.



This preview shows how white text looks on a background with the Yxy color 39.8667, 0.2015, 0.2452.

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

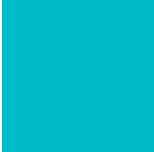
39.8732, 0.2015, 0.2452

Protanopia

39.4136, 0.2532, 0.2473

Deuteranopia

39.5255, 0.2350, 0.2287



Tritanopia

39.7577, 0.2186, 0.3070

Trichromacy



Original Color

39.8732, 0.2015, 0.2452



Protanomaly

37.9324, 0.2211, 0.2436



Deuteranomaly

38.1239, 0.2129, 0.2308



Tritanomaly

39.6558, 0.2118, 0.2823

Monochromacy



Original Color

39.8732, 0.2015, 0.2452



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.4909, 0.2407, 0.2914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8667, 0.2015, 0.2452 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(1, 182, 242)` looks like.

```
.text, #text, p{  
    color:rgb(1, 182, 242)  
}
```

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(1, 182, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 182, 242) }
```

Border

The CSS property to change the border of an element to Yxy 39.8667, 0.2015, 0.2452 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(1, 182, 242) }
```

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

```
.border{ border-color:rgb(1, 182, 242) }
```

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

Here you see how a box with a 4 pixel rgb(1, 182, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 182, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 182, 242);  
box-shadow:4px 4px 4px 4px rgb(1, 182,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8667, 0.2015, 0.2452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 182, 242) }
```

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

```
.background{ background-color: rgb(1, 182,  
242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor