

Converting Colors

$Y_{xy}(33.7929, 0.1911, 0.2051)$

Have a look what the booklet for
Yxy(33.7929, 0.1911, 0.2051)
contains.

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Color

Yxy(33.8725, 0.1912, 0.2054)

Conversions

Conversions Part 1

Format	Color
Hex	0FA4FF
RGB	15, 164, 255
RGB Percent	6%, 64%, 100%
CMY	0.9394, 0.3569, 0.0000
CMYK	0.94, 0.36, 0.00, 0.00
HSL	203°, 100%, 53%
HSV	203°, 94%, 100%
XYZ	31.5308, 33.8725, 99.5067
YIQ	129.8230, -118.0150, -3.2870

Conversions

Conversions Part 2

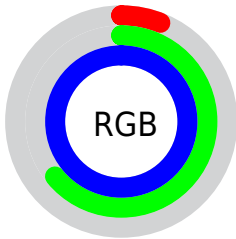
Format	Color
R _Y B	15, 107, 255
Decimal	1025279
CIE Lab	64.86, -2.41, -54.67
CIE LCh	65, 54.723, 267.473
Yxy	33.8725, 0.1912, 0.2054
Android (android.graphics.Color)	4279215359 (0xFF0FA4FF)
YUV	129.8230, 61.7123, -100.6998
Hunter-Lab	58.2001, -5.1451, -60.6301

Details

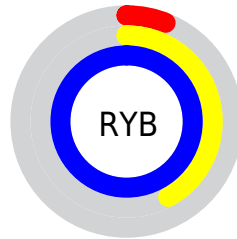
The Yxy color **33.8725, 0.1912, 0.2054** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **31.7003, 0.5649, 0.3849**, and the grayscale version is **22.1145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5279, 0.2338, 0.2851**, and **15.8875, 0.1837, 0.1813** is the 20% darker color. If you saturate the color by 10%, you get **31.7132, 0.1880, 0.1968**, and if you desaturate by 10%, it is **37.8374, 0.1979, 0.2200**.

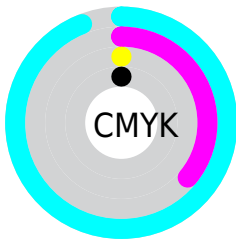
Distribution



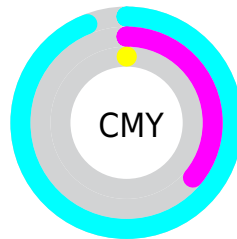
- Red (6%)
- Green (64%)
- Blue (100%)



- Red (6%)
- Yellow (42%)
- Blue (100%)



- Cyan (94%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (94%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.8725, 0.1912, 0.2054 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 33.8725, 0.1912, 0.2054 by changing the saturation by 10% instead.


 33.8725, 0.1912,
0.2054


 33.8725, 0.1912,
0.2054


319.5632, 0.2506,
0.2663

 22.7957, 0.1775,
0.1912


 65.7353, 0.2121,
0.2269

 14.4427, 0.1606,
0.1737


 87.2902, 0.2202,
0.2352


 8.4292, 0.1398,
0.1520


 113.1064, 0.2271,
0.2423

 4.3708, 0.1138,
0.1248

 143.5685, 0.2331,
0.2484

 1.8831, 0.0820,
0.0911

 179.0608, 0.2383,
0.2537

 0.5382, 0.0407,
0.0484

219.9678, 0.2429,

 0.0000, 0.0000,

0.2584

0.0000

266.6738, 0.2470,
0.2626

■ 33.8725, 0.1912,
0.2054

■ 33.8725, 0.1912,
0.2054

■ 31.7132, 0.1880,
0.1968

■ 37.8374, 0.1979,
0.2200

■ 42.4115, 0.2068,
0.2349

■ 47.6561, 0.2177,
0.2498

■ 53.6230, 0.2304,
0.2643

■ 60.3575, 0.2445,
0.2783

■ 67.8999, 0.2596,
0.2916

■ 76.2874, 0.2752,
0.3039

■ 85.5544, 0.2910,
0.3151

■ 95.7330, 0.3066,
0.3253

Harmonies

Analogous

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



33.8725, 0.1698, 0.2327



33.8725, 0.1912, 0.2054



33.8725, 0.2422, 0.2066

Triad

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



33.8725, 0.1912, 0.2054



33.8725, 0.4680, 0.3329



33.8725, 0.2880, 0.4639

Complementary

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



33.8725, 0.1912, 0.2054



31.7003, 0.5649, 0.3849

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.



33.8725, 0.3682, 0.4854



33.8725, 0.1912, 0.2054



33.8725, 0.4775, 0.3940

Square

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



33.8725, 0.1912, 0.2054



33.8725, 0.4067, 0.2764



33.8725, 0.4381, 0.4515



33.8725, 0.2189, 0.3842

Rectangle

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



33.8725, 0.1912, 0.2054



33.8725, 0.2917, 0.2210



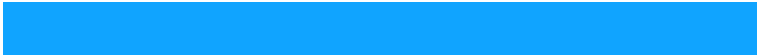
33.8725, 0.4381, 0.4515



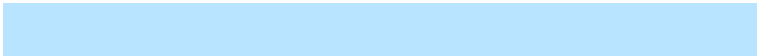
33.8725, 0.3146, 0.4787

Sweetspot

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



33.8718, 0.1912, 0.2054



72.7776, 0.2688, 0.2990



72.6105, 0.2827, 0.5342



14.8125, 0.2621, 0.2936



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.



33.8718, 0.1912, 0.2054



31.7132, 0.1880, 0.1968



9.3900, 0.1554, 0.0757



19.2540, 0.2979, 0.3197



16.8681, 0.1887, 0.1992



1.8533, 0.1932, 0.2156

Inverse Universe

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



24.2945, 0.4387, 0.2215



23.7326, 0.4489, 0.2247



74.1035, 0.4426, 0.4842



18.1765, 0.3197, 0.3144



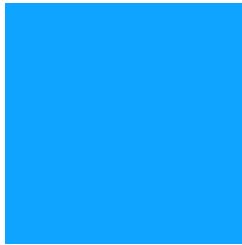
12.4308, 0.4462, 0.2232



1.2316, 0.4280, 0.2132

Previews

White Background



This preview shows how the Yxy color 33.8725, 0.1912, 0.2054 looks on a white background.

Color Contrast Check

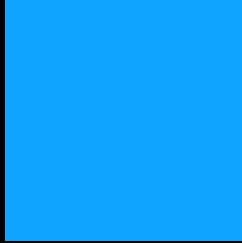
Large Text (above 18pt) WCAG AA × Fail

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 33.8725, 0.1912, 0.2054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

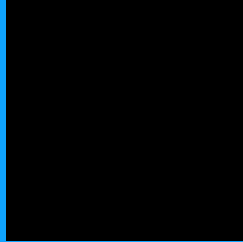
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

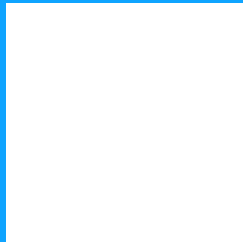
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.8725, 0.1912, 0.2054

Background



This preview shows how black text looks on a background with the Yxy color 33.8725, 0.1912, 0.2054.



This preview shows how white text looks on a background with the Yxy color 33.8725, 0.1912, 0.2054.

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

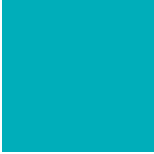
33.8725, 0.1912, 0.2054

Protanopia

33.5126, 0.2238, 0.2090

Deuteranopia

33.7136, 0.2070, 0.2010



Tritanopia

33.8173, 0.2191, 0.3087

Trichromacy



Original Color

33.8725, 0.1912, 0.2054

Protanomaly

32.7925, 0.2048, 0.2053

Deuteranomaly

33.4854, 0.1980, 0.2022

Tritanomaly

33.4913, 0.2073, 0.2649

Monochromacy



Original Color

33.8725, 0.1912, 0.2054

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

24.5159, 0.2379, 0.2721

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8725, 0.1912, 0.2054 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(15, 164, 255)` looks like.

```
.text, #text, p{  
    color:rgb(15, 164, 255)  
}
```

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(15, 164, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 164, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.8725, 0.1912, 0.2054 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(15, 164, 255) }
```

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

```
.border{ border-color:rgb(15, 164, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 164, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 164, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 164, 255);  
box-shadow:4px 4px 4px 4px rgb(15, 164,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8725, 0.1912, 0.2054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 164, 255) }
```

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

```
.background{ background-color: rgb(15, 164,  
255) }
```

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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