

Converting Colors

$Y_{xy}(33.7269, 0.1923, 0.2064)$

Have a look what the booklet for
Yxy(33.7269, 0.1923, 0.2064)
contains.

Yxy(33.9133, 0.1923, 0.2066)	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(33.9133, 0.1923, 0.2066)

Conversions

Conversions Part 1

Format	Color
Hex	19A4FE
RGB	25, 164, 254
RGB Percent	10%, 64%, 100%
CMY	0.9025, 0.3569, 0.0038
CMYK	0.90, 0.35, 0.00, 0.00
HSL	204°, 99%, 55%
HSV	204°, 90%, 100%
XYZ	31.5660, 33.9133, 98.6703
YIQ	132.6990, -111.7340, -1.4780

Conversions

Conversions Part 2

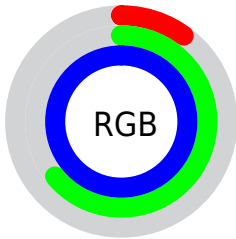
Format	Color
R _Y B	25, 111, 254
Decimal	1680638
CIE Lab	64.89, -2.42, -54.07
CIE LCh	65, 54.123, 267.433
Yxy	33.9133, 0.1923, 0.2066
Android (android.graphics.Color)	4279870718 (0xFF19A4FE)
YUV	132.6990, 59.8014, -94.4520
Hunter-Lab	58.2351, -5.1567, -59.6930

Details

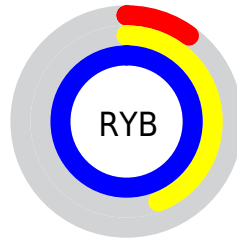
The Yxy color **33.9133, 0.1923, 0.2066** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **33.3821, 0.5522, 0.3908**, and the grayscale version is **23.1364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6649, 0.2346, 0.2852**, and **15.8415, 0.1840, 0.1824** is the 20% darker color. If you saturate the color by 10%, you get **30.3461, 0.1867, 0.1922**, and if you desaturate by 10%, it is **38.1076, 0.2000, 0.2218**.

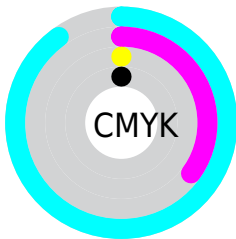
Distribution



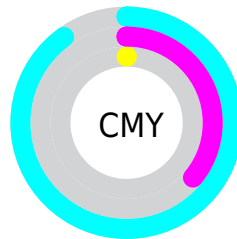
- Red (10%)
- Green (64%)
- Blue (100%)



- Red (10%)
- Yellow (44%)
- Blue (100%)



- Cyan (90%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (90%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9133, 0.1923, 0.2066 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 33.9133, 0.1923, 0.2066 by changing the saturation by 10% instead.


 33.9133, 0.1923,
0.2066


 33.9133, 0.1923,
0.2066


319.7453, 0.2512,
0.2669


 22.8270, 0.1786,
0.1925


 65.7988, 0.2131,
0.2279

 14.4658, 0.1619,
0.1751


 87.3668, 0.2211,
0.2362


 8.4454, 0.1411,
0.1535

 113.1975, 0.2279,
0.2432

 4.3812, 0.1152,
0.1263

 143.6753, 0.2339,
0.2492

 1.8890, 0.0832,
0.0925

 179.1846, 0.2390,
0.2545

 0.5418, 0.0416,
0.0495

220.1098, 0.2436,

 0.0000, 0.0000,

0.2592

0.0000

266.8352, 0.2476,
0.2633

■ 33.9133, 0.1923,
0.2066

■ 33.9133, 0.1923,
0.2066

■ 30.3461, 0.1867,
0.1922

■ 38.1076, 0.2000,
0.2218

■ 42.9455, 0.2098,
0.2373

■ 48.4856, 0.2217,
0.2526

■ 54.7771, 0.2351,
0.2675

■ 61.8634, 0.2498,
0.2818

■ 69.7838, 0.2652,
0.2951

■ 78.5745, 0.2810,
0.3075

■ 88.2692, 0.2968,
0.3187

■ 98.8994, 0.3124,
0.3288

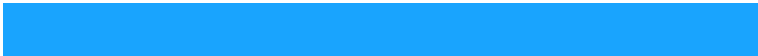
Harmonies

Analogous

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



33.9133, 0.1711, 0.2339



33.9133, 0.1923, 0.2066



33.9133, 0.2428, 0.2077

Triad

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



33.9133, 0.1923, 0.2066



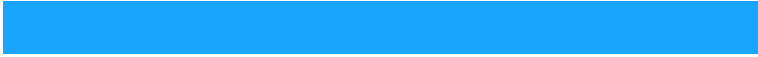
33.9133, 0.4662, 0.3330



33.9133, 0.2885, 0.4623

Complementary

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



33.9133, 0.1923, 0.2066



33.3821, 0.5522, 0.3908

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.



33.9133, 0.3680, 0.4837



33.9133, 0.1923, 0.2066



33.9133, 0.4759, 0.3935

Square

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



33.9133, 0.1923, 0.2066



33.9133, 0.4056, 0.2769



33.9133, 0.4370, 0.4504



33.9133, 0.2200, 0.3837

Rectangle

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



33.9133, 0.1923, 0.2066



33.9133, 0.2918, 0.2219



33.9133, 0.4370, 0.4504



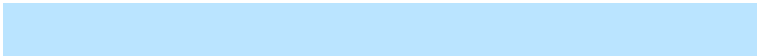
33.9133, 0.3149, 0.4768

Sweetspot

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



33.9144, 0.1923, 0.2066



73.1387, 0.2703, 0.2992



72.2917, 0.2801, 0.5218



15.0294, 0.2649, 0.2949



0.0000, 0.0000, 0.0000



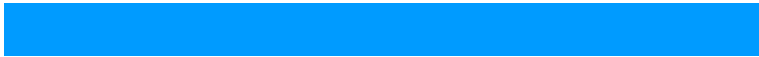
21.4041, 0.3127, 0.3290

Same Dimension

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



33.9144, 0.1923, 0.2066



30.6045, 0.1867, 0.1921



9.7830, 0.1574, 0.0789



19.2133, 0.2979, 0.3194



16.2908, 0.1874, 0.1946



1.7991, 0.1921, 0.2115

Inverse Universe

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



24.4459, 0.4369, 0.2229



23.6207, 0.4543, 0.2276



76.2435, 0.4374, 0.4861



18.1724, 0.3199, 0.3147



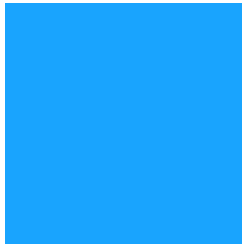
12.3725, 0.4515, 0.2261



1.2262, 0.4325, 0.2156

Previews

White Background



This preview shows how the Yxy color 33.9133, 0.1923, 0.2066 looks on a white background.

Color Contrast Check

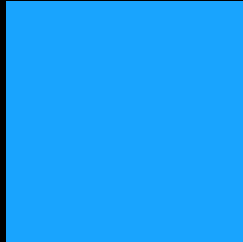
Large Text (above 18pt) WCAG AA × Fail

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 33.9133, 0.1923, 0.2066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

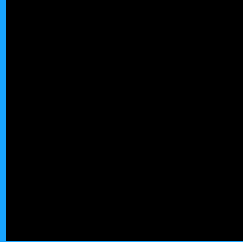
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

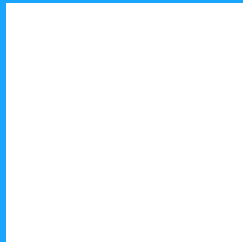
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.9133, 0.1923, 0.2066

Background



This preview shows how black text looks on a background with the Yxy color 33.9133, 0.1923, 0.2066.



This preview shows how white text looks on a background with the Yxy color 33.9133, 0.1923, 0.2066.

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

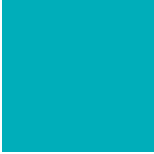
33.9133, 0.1923, 0.2066

Protanopia

33.4517, 0.2243, 0.2099

Deuteranopia

33.7668, 0.2074, 0.2011



Tritanopia

33.8173, 0.2191, 0.3087

Trichromacy



Original Color

33.9133, 0.1923, 0.2066

Protanomaly

32.9175, 0.2068, 0.2067

Deuteranomaly

33.6268, 0.1992, 0.2025

Tritanomaly

33.5107, 0.2075, 0.2650

Monochromacy



Original Color

33.9133, 0.1923, 0.2066

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

25.5005, 0.2413, 0.2732

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9133, 0.1923, 0.2066 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(25, 164, 254)` looks like.

```
.text, #text, p{  
    color:rgb(25, 164, 254)  
}
```

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(25, 164, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 164, 254) }
```

Border

The CSS property to change the border of an element to Yxy 33.9133, 0.1923, 0.2066 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(25, 164, 254) }
```

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

```
.border{ border-color:rgb(25, 164, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 164, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 164, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 164, 254);  
box-shadow:4px 4px 4px 4px rgb(25, 164,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9133, 0.1923, 0.2066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 164, 254) }
```

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

```
.background{ background-color: rgb(25, 164,  
254) }
```

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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