

Converting Colors

$Y_{xy}(33.0308, 0.1960, 0.2059)$

Have a look what the booklet for
Yxy(33.0308, 0.1960, 0.2059)
contains.

Yxy(33.1586, 0.1962, 0.2064)	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(33.1586, 0.1962, 0.2064)

Conversions

Conversions Part 1

Format	Color
Hex	33A1FB
RGB	51, 161, 251
RGB Percent	20%, 63%, 98%
CMY	0.7997, 0.3686, 0.0158
CMYK	0.80, 0.36, 0.00, 0.02
HSL	207°, 96%, 59%
HSV	207°, 80%, 98%
XYZ	31.5199, 33.1586, 95.9736
YIQ	138.3700, -94.4500, 4.6700

Conversions

Conversions Part 2

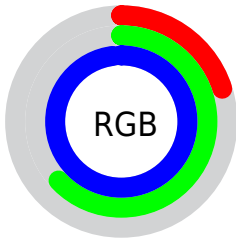
Format	Color
R _Y B	51, 122, 251
Decimal	3383803
CIE Lab	64.29, 0.01, -53.33
CIE LCh	64, 53.332, 270.015
Yxy	33.1586, 0.1962, 0.2064
Android (android.graphics.Color)	4281573883 (0xFF33A1FB)
YUV	138.3700, 55.5266, -76.6235
Hunter-Lab	57.5835, -3.0641, -58.5093

Details

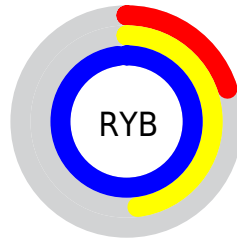
The Yxy color **33.1586, 0.1962, 0.2064** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **39.8014, 0.5097, 0.4066**, and the grayscale version is **25.3835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3329, 0.2377, 0.2806**, and **15.0469, 0.1834, 0.1802** is the 20% darker color. If you saturate the color by 10%, you get **28.9022, 0.1877, 0.1890**, and if you desaturate by 10%, it is **38.1251, 0.2070, 0.2242**.

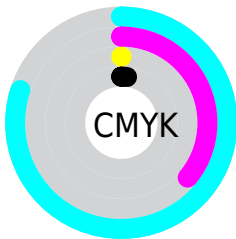
Distribution



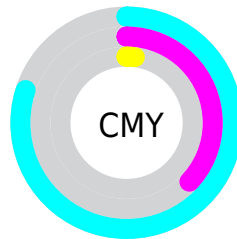
- Red (20%)
- Green (63%)
- Blue (98%)



- Red (20%)
- Yellow (48%)
- Blue (98%)



- Cyan (80%)
- Magenta (36%)
- Yellow (0%)
- Black (2%)





- Cyan (80%)
- Magenta (37%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1586, 0.1962, 0.2064 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 33.1586, 0.1962, 0.2064 by changing the saturation by 10% instead.


 33.1586, 0.1962,
0.2064


 33.1586, 0.1962,
0.2064


316.3638, 0.2537,
0.2669

 22.2480, 0.1827,
0.1922


 64.6231, 0.2165,
0.2278

 14.0392, 0.1661,
0.1748


 85.9457, 0.2244,
0.2360

 8.1479, 0.1454,
0.1530


 111.5078, 0.2311,
0.2431

 4.1898, 0.1193,
0.1255

 141.6937, 0.2368,
0.2492

 1.7803, 0.0869,
0.0914

176.8879, 0.2419,
0.2544

 0.4748, 0.0438,
0.0461

217.4747, 0.2463,

 0.0000, 0.0000,

0.2591

0.0000

263.8385, 0.2502,
0.2632

■ 33.1586, 0.1962,
0.2064

■ 33.1586, 0.1962,
0.2064

■ 28.9022, 0.1877,
0.1890

■ 38.1251, 0.2070,
0.2242

■ 25.2648, 0.1813,
0.1724

■ 43.8570, 0.2198,
0.2419

■ 25.1448, 0.1811,
0.1718

■ 50.4058, 0.2342,
0.2591

■ 57.8163, 0.2496,
0.2756

■ 66.1293, 0.2656,
0.2909

■ 75.3826, 0.2817,
0.3050

■ 85.6112, 0.2977,
0.3179

■ 96.8483, 0.3133,
0.3294

■ 99.7426, 0.3150,
0.3329

Harmonies

Analogous

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



33.1586, 0.1726, 0.2309



33.1586, 0.1962, 0.2064



33.1586, 0.2490, 0.2096

Triad

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



33.1586, 0.1962, 0.2064



33.1586, 0.4681, 0.3382



33.1586, 0.2822, 0.4563

Complementary

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



33.1586, 0.1962, 0.2064



39.8014, 0.5097, 0.4066

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.



33.1586, 0.3611, 0.4832



33.1586, 0.1962, 0.2064



33.1586, 0.4732, 0.3985

Square

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



33.1586, 0.1962, 0.2064



33.1586, 0.4116, 0.2817



33.1586, 0.4313, 0.4539



33.1586, 0.2159, 0.3753

Rectangle

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



33.1586, 0.1962, 0.2064



33.1586, 0.2990, 0.2251



33.1586, 0.4313, 0.4539



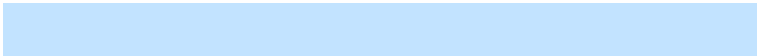
33.1586, 0.3081, 0.4726

Sweetspot

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



33.1597, 0.1962, 0.2064



73.8516, 0.2747, 0.2990



71.6002, 0.2726, 0.4801



15.0837, 0.2689, 0.2939



0.0000, 0.0000, 0.0000



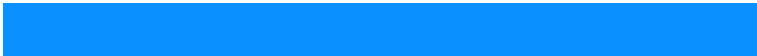
21.4041, 0.3127, 0.3290

Same Dimension

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



33.1597, 0.1962, 0.2064



27.4845, 0.1834, 0.1783



11.0134, 0.1652, 0.0890



18.2256, 0.2980, 0.3181



13.5168, 0.1818, 0.1746



1.4636, 0.1874, 0.1945

Inverse Universe

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



25.4498, 0.4349, 0.2335



23.5205, 0.4702, 0.2381



83.6333, 0.4201, 0.4892



17.3850, 0.3207, 0.3160



11.7754, 0.4751, 0.2391



1.1120, 0.4515, 0.2261

Previews

White Background



This preview shows how the Yxy color 33.1586, 0.1962, 0.2064 looks on a white background.

Color Contrast Check

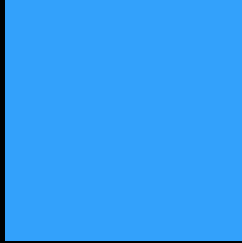
Large Text (above 18pt) WCAG AA × Fail

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 33.1586, 0.1962, 0.2064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

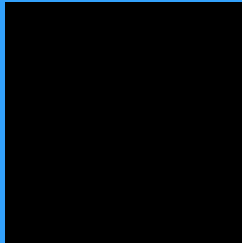
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

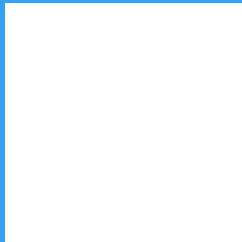
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.1586, 0.1962, 0.2064

Background



This preview shows how black text looks on a background with the Yxy color 33.1586, 0.1962, 0.2064.



This preview shows how white text looks on a background with the Yxy color 33.1586, 0.1962, 0.2064.

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

33.1586, 0.1962, 0.2064

Protanopia

32.9925, 0.2239, 0.2094

Deuteranopia

32.8506, 0.2075, 0.2010



Tritanopia

33.0078, 0.2186, 0.3069

Trichromacy



Original Color

33.1586, 0.1962, 0.2064

Protanomaly

32.5833, 0.2107, 0.2069

Deuteranomaly

32.7619, 0.2020, 0.2020

Tritanomaly

32.7472, 0.2082, 0.2645

Monochromacy



Original Color

33.1586, 0.1962, 0.2064

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.8766, 0.2491, 0.2748

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1586, 0.1962, 0.2064 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(51, 161, 251)` looks like.

```
.text, #text, p{  
    color:rgb(51, 161, 251)  
}
```

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(51, 161, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 161, 251) }
```

Border

The CSS property to change the border of an element to Yxy 33.1586, 0.1962, 0.2064 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(51, 161, 251) }
```

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

```
.border{ border-color:rgb(51, 161, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 161, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 161, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 161, 251);  
box-shadow:4px 4px 4px 4px rgb(51, 161,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1586, 0.1962, 0.2064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 161, 251) }
```

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

```
.background{ background-color: rgb(51, 161,  
251) }
```

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