

Converting Colors

$Y_{xy}(33.2730, 0.1948, 0.2020)$

Have a look what the booklet for
Yxy(33.2730, 0.1948, 0.2020)
contains.

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Color

Yxy(33.4135, 0.1950, 0.2026)

Conversions

Conversions Part 1

Format	Color
Hex	33A1FF
RGB	51, 161, 255
RGB Percent	20%, 63%, 100%
CMY	0.7997, 0.3686, 0.0001
CMYK	0.80, 0.37, 0.00, 0.00
HSL	208°, 100%, 60%
HSV	208°, 80%, 100%
XYZ	32.1601, 33.4135, 99.3499
YIQ	138.8260, -95.7340, 5.9140

Conversions

Conversions Part 2

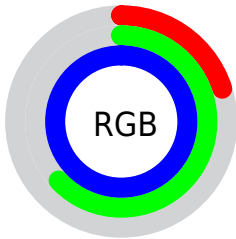
Format	Color
R _Y B	51, 122, 255
Decimal	3383807
CIE Lab	64.49, 1.46, -55.20
CIE LCh	64, 55.220, 271.511
Yxy	33.4135, 0.1950, 0.2026
Android (android.graphics.Color)	4281573887 (0xFF33A1FF)
YUV	138.8260, 57.2738, -77.0234
Hunter-Lab	57.8044, -1.8474, -61.4401

Details

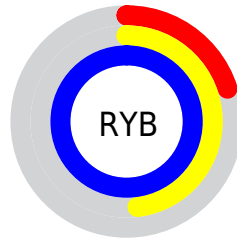
The Yxy color **33.4135, 0.1950, 0.2026** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **41.7645, 0.5085, 0.4087**, and the grayscale version is **25.5596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4101, 0.2381, 0.2807**, and **15.2291, 0.1822, 0.1760** is the 20% darker color. If you saturate the color by 10%, you get **29.0065, 0.1864, 0.1849**, and if you desaturate by 10%, it is **38.5713, 0.2059, 0.2208**.

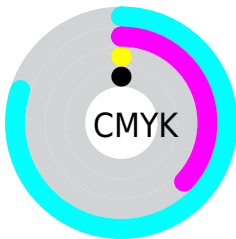
Distribution



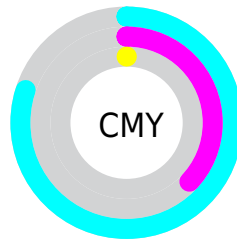
- Red (20%)
- Green (63%)
- Blue (100%)



- Red (20%)
- Yellow (48%)
- Blue (100%)



- Cyan (80%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.4135, 0.1950, 0.2026 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 33.4135, 0.1950, 0.2026 by changing the saturation by 10% instead.


 33.4135, 0.1950,
0.2026


 33.4135, 0.1950,
0.2026

317.5089, 0.2529,
0.2645

 22.4434, 0.1815,
0.1882


 65.0206, 0.2154,
0.2244


 14.1831, 0.1649,
0.1706


 86.4263, 0.2233,
0.2328

 8.2481, 0.1443,
0.1488


 112.0794, 0.2301,
0.2400

 4.2541, 0.1185,
0.1216

 142.3643, 0.2359,
0.2463

 1.8167, 0.0865,
0.0880

177.6652, 0.2410,
0.2517

 0.4976, 0.0458,
0.0448

218.3667, 0.2454,

 0.0000, 0.0000,

0.2565

0.0000

264.8532, 0.2494,
0.2607

■ 33.4135, 0.1950,
0.2026

■ 33.4135, 0.1950,
0.2026

■ 29.0065, 0.1864,
0.1849

■ 38.5713, 0.2059,
0.2208

■ 25.2521, 0.1800,
0.1679

■ 44.5389, 0.2188,
0.2390

■ 25.2423, 0.1800,
0.1679

■ 51.3707, 0.2333,
0.2567

■ 59.1141, 0.2488,
0.2736

■ 67.8123, 0.2649,
0.2894

■ 77.5053, 0.2812,
0.3040

■ 88.2303, 0.2972,
0.3172

99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



33.4135, 0.1694, 0.2259



33.4135, 0.1950, 0.2026



33.4135, 0.2504, 0.2073

Triad

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



33.4135, 0.1950, 0.2026



33.4135, 0.4746, 0.3409



33.4135, 0.2769, 0.4579

Complementary

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



33.4135, 0.1950, 0.2026



41.7645, 0.5085, 0.4087

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.



33.4135, 0.3579, 0.4886



33.4135, 0.1950, 0.2026



33.4135, 0.4767, 0.4027

Square

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



33.4135, 0.1950, 0.2026



33.4135, 0.4187, 0.2829



33.4135, 0.4312, 0.4595



33.4135, 0.2102, 0.3719

Rectangle

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



33.4135, 0.1950, 0.2026



33.4135, 0.3027, 0.2239



33.4135, 0.4312, 0.4595



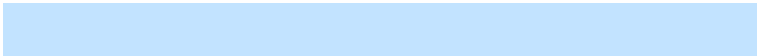
33.4135, 0.3035, 0.4759

Sweetspot

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



33.4146, 0.1950, 0.2026



73.4878, 0.2746, 0.2983



74.1949, 0.2727, 0.4809



14.9964, 0.2688, 0.2931



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.



33.4146, 0.1950, 0.2026



26.6828, 0.1824, 0.1746



11.2905, 0.1648, 0.0882



19.0001, 0.2979, 0.3178



13.4935, 0.1807, 0.1706



1.5325, 0.1861, 0.1901

Inverse Universe

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



26.2043, 0.4391, 0.2355



23.4396, 0.4747, 0.2406



86.6751, 0.4204, 0.4896



18.1509, 0.3209, 0.3163



12.0901, 0.4799, 0.2417



1.1993, 0.4567, 0.2289

Previews

White Background



This preview shows how the Yxy color 33.4135, 0.1950, 0.2026 looks on a white background.

Color Contrast Check

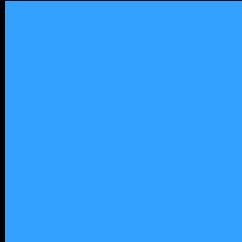
Large Text (above 18pt) WCAG AA × Fail

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 33.4135, 0.1950, 0.2026 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

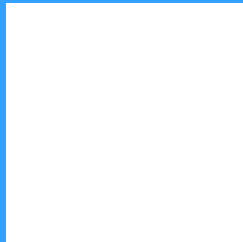
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.4135, 0.1950, 0.2026

Background



This preview shows how black text looks on a background with the Yxy color 33.4135, 0.1950, 0.2026.



This preview shows how white text looks on a background with the Yxy color 33.4135, 0.1950, 0.2026.

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

33.4135, 0.1950, 0.2026

Protanopia

33.0938, 0.2210, 0.2053

Deuteranopia

33.2722, 0.2059, 0.1994



Tritanopia

33.3899, 0.2191, 0.3086

Trichromacy



Original Color

33.4135, 0.1950, 0.2026

Protanomaly

32.7245, 0.2083, 0.2029

Deuteranomaly

33.2515, 0.2010, 0.2005

Tritanomaly

33.1675, 0.2083, 0.2648

Monochromacy



Original Color

33.4135, 0.1950, 0.2026

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.3294, 0.2488, 0.2737

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4135, 0.1950, 0.2026 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 161, 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(51, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 161, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.4135, 0.1950, 0.2026 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, 255) }
```

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

```
.border{ border-color:rgb(51, 161, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 161,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4135, 0.1950, 0.2026 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, 255) }
```

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

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