

Converting Colors

$Y_{xy}(33.0909, 0.1880, 0.1719)$

Have a look what the booklet for
Yxy(33.0909, 0.1880, 0.1719)
contains.

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Color

Yxy(31.3880, 0.1954, 0.1937)

Conversions

Conversions Part 1

Format	Color
Hex	3F9AFF
RGB	63, 154, 255
RGB Percent	25%, 60%, 100%
CMY	0.7522, 0.3961, 0.0000
CMYK	0.75, 0.40, 0.00, 0.00
HSL	212°, 100%, 62%
HSV	212°, 75%, 100%
XYZ	31.6635, 31.3880, 98.9929
YIQ	138.3050, -86.6570, 12.1190

Conversions

Conversions Part 2

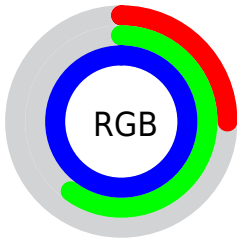
Format	Color
R _{YB}	63, 125, 255
Decimal	4168447
CIE Lab	62.83, 6.81, -57.83
CIE LCh	63, 58.231, 276.717
Yxy	31.3880, 0.1954, 0.1937
Android (android.graphics.Color)	4282358527 (0xFF3F9AFF)
YUV	138.3050, 57.5306, -66.0425
Hunter-Lab	56.0250, 2.8386, -65.5445

Details

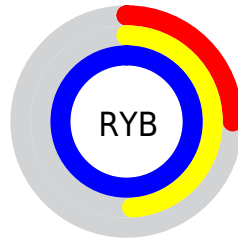
The Yxy color **31.3880, 0.1954, 0.1937** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **48.2456, 0.4830, 0.4202**, and the grayscale version is **25.3588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.4001, 0.2392, 0.2722**, and **13.9778, 0.1793, 0.1655** is the 20% darker color. If you saturate the color by 10%, you get **26.5448, 0.1849, 0.1734**, and if you desaturate by 10%, it is **37.1178, 0.2083, 0.2145**.

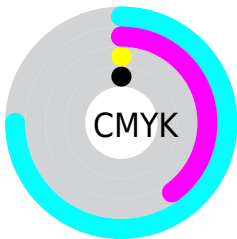
Distribution



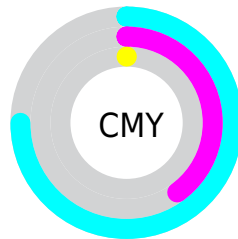
- Red (25%)
- Green (60%)
- Blue (100%)



- Red (25%)
- Yellow (49%)
- Blue (100%)



- Cyan (75%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (75%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3880, 0.1954, 0.1937 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 31.3880, 0.1954, 0.1937 by changing the saturation by 10% instead.


 31.3880, 0.1954,
0.1937


 31.3880, 0.1954,
0.1937


308.3219, 0.2537,
0.2596

 20.8945, 0.1817,
0.1786


 61.8504, 0.2161,
0.2168


 13.0469, 0.1648,
0.1602


 82.5881, 0.2240,
0.2257

 7.4608, 0.1438,
0.1375


 107.5093, 0.2308,
0.2334

 3.7519, 0.1175,
0.1096

 136.9984, 0.2367,
0.2401

 1.5358, 0.0849,
0.0761

171.4399, 0.2418,
0.2459

 0.3137, 0.0430,
0.0290

211.2180, 0.2462,

 0.0000, 0.0000,

0.2510

0.0000

256.7172, 0.2502,
0.2555

■ 31.3880, 0.1954,
0.1937

■ 31.3880, 0.1954,
0.1937

■ 26.5448, 0.1849,
0.1734

■ 37.1178, 0.2083,
0.2145

■ 22.5105, 0.1769,
0.1543

■ 43.7942, 0.2229,
0.2352

■ 20.8221, 0.1738,
0.1456

■ 51.4737, 0.2389,
0.2553

■ 60.2064, 0.2555,
0.2742

■ 70.0387, 0.2722,
0.2917

■ 81.0135, 0.2887,
0.3077

■ 93.1714, 0.3047,
0.3221

■ 99.9997, 0.3127,
0.3290

Harmonies

Analogous

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



31.3880, 0.1633, 0.2120



31.3880, 0.1954, 0.1937



31.3880, 0.2592, 0.2035

Triad

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



31.3880, 0.1954, 0.1937



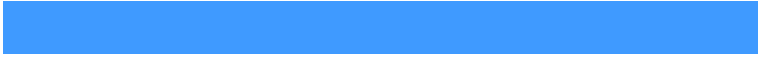
31.3880, 0.4913, 0.3513



31.3880, 0.2593, 0.4561

Complementary

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



31.3880, 0.1954, 0.1937



48.2456, 0.4830, 0.4202

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.



31.3880, 0.3444, 0.5011



31.3880, 0.1954, 0.1937



31.3880, 0.4821, 0.4167

Square

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



31.3880, 0.1954, 0.1937



31.3880, 0.4407, 0.2893



31.3880, 0.4257, 0.4760



31.3880, 0.1937, 0.3566

Rectangle

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



31.3880, 0.1954, 0.1937



31.3880, 0.3176, 0.2236



31.3880, 0.4257, 0.4760



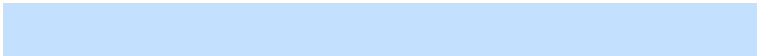
31.3880, 0.2867, 0.4796

Sweetspot

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



31.3890, 0.1954, 0.1937



72.3742, 0.2759, 0.2954



75.1995, 0.2672, 0.4528



14.6835, 0.2699, 0.2894



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.



31.3890, 0.1954, 0.1937



24.5202, 0.1807, 0.1641



11.9685, 0.1703, 0.0922



18.7959, 0.2979, 0.3162



11.1743, 0.1746, 0.1486



1.3048, 0.1805, 0.1698

Inverse Universe

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



27.1686, 0.4472, 0.2487



23.7018, 0.4865, 0.2512



92.5362, 0.4086, 0.4927



18.1303, 0.3220, 0.3178



11.8560, 0.5078, 0.2571



1.1763, 0.4809, 0.2423

Previews

White Background



This preview shows how the Yxy color 31.3880, 0.1954, 0.1937 looks on a white background.

Color Contrast Check

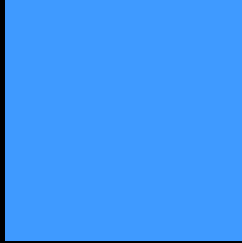
Large Text (above 18pt) WCAG AA × Fail

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 31.3880, 0.1954, 0.1937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

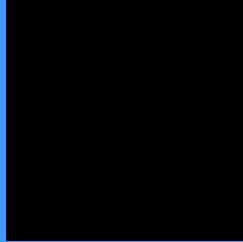
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

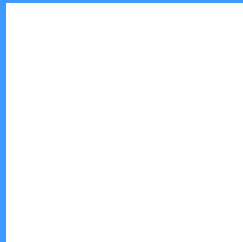
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.3880, 0.1954, 0.1937

Background



This preview shows how black text looks on a background with the Yxy color 31.3880, 0.1954, 0.1937.



This preview shows how white text looks on a background with the Yxy color 31.3880, 0.1954, 0.1937.

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

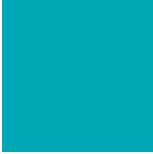
31.3880, 0.1954, 0.1937

Protanopia

31.3344, 0.2141, 0.1967

Deuteranopia

31.2543, 0.1990, 0.1923



Tritanopia

31.3415, 0.2185, 0.3065

Trichromacy



Original Color

31.3880, 0.1954, 0.1937

Protanomaly

31.1049, 0.2059, 0.1950

Deuteranomaly

31.3802, 0.1977, 0.1931

Tritanomaly

30.9306, 0.2068, 0.2575

Monochromacy



Original Color

31.3880, 0.1954, 0.1937

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.6622, 0.2510, 0.2691

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3880, 0.1954, 0.1937 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(63, 154, 255)` looks like.

```
.text, #text, p{  
    color:rgb(63, 154, 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(63, 154, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 154, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.3880, 0.1954, 0.1937 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(63, 154, 255) }
```

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

```
.border{ border-color:rgb(63, 154, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 154, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 154, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 154, 255);  
box-shadow:4px 4px 4px 4px rgb(63, 154,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3880, 0.1954, 0.1937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 154, 255) }
```

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

```
.background{ background-color: rgb(63, 154,  
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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