

Converting Colors

$Yxy(31.8811, 0.2002, 0.1948)$

Have a look what the booklet for
Yxy(31.8811, 0.2002, 0.1948)
contains.

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Color

Yxy(31.9935, 0.2003, 0.1952)

Conversions

Conversions Part 1

Format	Color
Hex	4F9AFF
RGB	79, 154, 255
RGB Percent	31%, 60%, 100%
CMY	0.6904, 0.3961, 0.0000
CMYK	0.69, 0.40, 0.00, 0.00
HSL	214°, 100%, 65%
HSV	214°, 69%, 100%
XYZ	32.8294, 31.9935, 99.0782
YIQ	143.0890, -77.1210, 15.5110

Conversions

Conversions Part 2

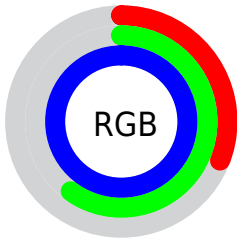
Format	Color
R _Y B	79, 132, 255
Decimal	5217023
CIE Lab	63.34, 8.84, -57.02
CIE LCh	63, 57.700, 278.816
Yxy	31.9935, 0.2003, 0.1952
Android (android.graphics.Color)	4283407103 (0xFF4F9AFF)
YUV	143.0890, 55.1721, -56.2061
Hunter-Lab	56.5628, 4.6176, -64.2614

Details

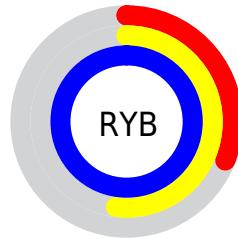
The Yxy color **31.9935, 0.2003, 0.1952** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **54.4387, 0.4599, 0.4247**, and the grayscale version is **27.2977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3515, 0.2446, 0.2730**, and **13.9778, 0.1793, 0.1655** is the 20% darker color. If you saturate the color by 10%, you get **26.5636, 0.1877, 0.1729**, and if you desaturate by 10%, it is **38.4288, 0.2150, 0.2179**.

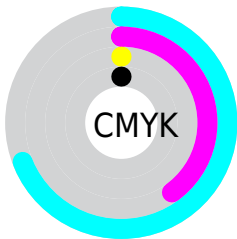
Distribution



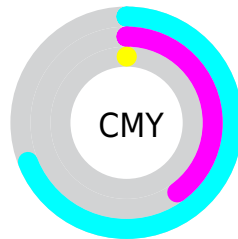
- Red (31%)
- Green (60%)
- Blue (100%)



- Red (31%)
- Yellow (52%)
- Blue (100%)



- Cyan (69%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (69%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9935, 0.2003, 0.1952 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 31.9935, 0.2003, 0.1952 by changing the saturation by 10% instead.


 31.9935, 0.2003,
0.1952


 31.9935, 0.2003,
0.1952


311.0896, 0.2563,
0.2601


 21.3565, 0.1871,
0.1803


 62.8009, 0.2202,
0.2179


 13.3849, 0.1707,
0.1622


 83.7401, 0.2278,
0.2267

 7.6941, 0.1503,
0.1399


 108.8822, 0.2344,
0.2343

 3.8998, 0.1244,
0.1124

 138.6116, 0.2400,
0.2408

 1.6177, 0.0921,
0.0791

173.3126, 0.2449,
0.2466

 0.3695, 0.0517,
0.0337

213.3697, 0.2491,

 0.0000, 0.0000,

0.2516

0.0000

259.1673, 0.2529,
0.2561

■ 31.9935, 0.2003,
0.1952

■ 31.9935, 0.2003,
0.1952

■ 26.5636, 0.1877,
0.1729

■ 38.4288, 0.2150,
0.2179

■ 22.0700, 0.1776,
0.1518

■ 45.9354, 0.2312,
0.2401

■ 18.4141, 0.1703,
0.1325

■ 54.5689, 0.2482,
0.2613

■ 18.0986, 0.1697,
0.1307

■ 64.3813, 0.2654,
0.2812

■ 75.4210, 0.2823,
0.2993

■ 87.7331, 0.2986,
0.3157

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



31.9935, 0.1663, 0.2113



31.9935, 0.2003, 0.1952



31.9935, 0.2656, 0.2067

Triad

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



31.9935, 0.2003, 0.1952



31.9935, 0.4899, 0.3559



31.9935, 0.2548, 0.4481

Complementary

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



31.9935, 0.2003, 0.1952



54.4387, 0.4599, 0.4247

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.



31.9935, 0.3383, 0.4977



31.9935, 0.2003, 0.1952



31.9935, 0.4773, 0.4205

Square

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



31.9935, 0.2003, 0.1952



31.9935, 0.4439, 0.2941



31.9935, 0.4195, 0.4774



31.9935, 0.1920, 0.3492

Rectangle

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



31.9935, 0.2003, 0.1952



31.9935, 0.3242, 0.2276



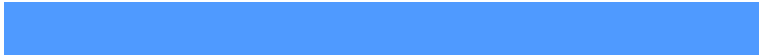
31.9935, 0.4195, 0.4774



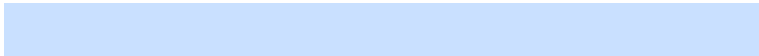
31.9935, 0.2815, 0.4727

Sweetspot

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



31.9925, 0.2003, 0.1952



73.1631, 0.2790, 0.2959



76.4224, 0.2641, 0.4287



14.9952, 0.2744, 0.2910



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.



31.9925, 0.2003, 0.1952



24.6786, 0.1834, 0.1644



15.0106, 0.1843, 0.1101



18.6511, 0.2979, 0.3150



9.7385, 0.1705, 0.1337



1.1595, 0.1766, 0.1558

Inverse Universe

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



29.1762, 0.4428, 0.2591



24.7232, 0.4840, 0.2579



91.1850, 0.3980, 0.4890



18.1156, 0.3227, 0.3189



11.7111, 0.5275, 0.2680



1.1616, 0.4984, 0.2519

Previews

White Background



This preview shows how the Yxy color 31.9935, 0.2003, 0.1952 looks on a white background.

Color Contrast Check

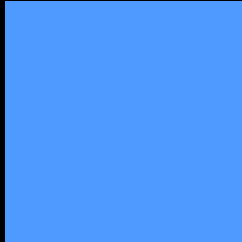
Large Text (above 18pt) WCAG AA × Fail

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 31.9935, 0.2003, 0.1952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

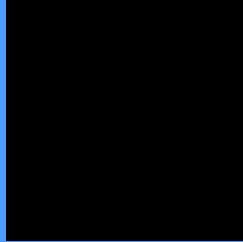
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

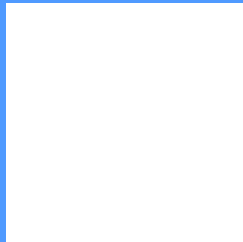
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.9935, 0.2003, 0.1952

Background



This preview shows how black text looks on a background with the Yxy color 31.9935, 0.2003, 0.1952.



This preview shows how white text looks on a background with the Yxy color 31.9935, 0.2003, 0.1952.

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

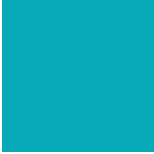
31.9935, 0.2003, 0.1952

Protanopia

31.7765, 0.2145, 0.1973

Deuteranopia

32.1250, 0.2014, 0.1956



Tritanopia

31.8335, 0.2185, 0.3050

Trichromacy



Original Color

31.9935, 0.2003, 0.1952

Protanomaly

31.8141, 0.2085, 0.1963

Deuteranomaly

32.0805, 0.2010, 0.1954

Tritanomaly

31.4777, 0.2084, 0.2581

Monochromacy



Original Color

31.9935, 0.2003, 0.1952

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.3212, 0.2566, 0.2709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9935, 0.2003, 0.1952 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(79, 154, 255)` looks like.

```
.text, #text, p{  
    color:rgb(79, 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(79, 154, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 154, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.9935, 0.2003, 0.1952 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(79, 154, 255) }
```

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

```
.border{ border-color:rgb(79, 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(79, 154, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 154, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 154, 255);  
box-shadow:4px 4px 4px 4px rgb(79, 154,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9935, 0.2003, 0.1952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 154, 255) }
```

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

```
.background{ background-color: rgb(79, 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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