

Converting Colors

$Yxy(31.8481, 0.1933, 0.1962)$

Have a look what the booklet for
Yxy(31.8481, 0.1933, 0.1962)
contains.

Yxy(31.7007, 0.1931, 0.1956)	3
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Color

Yxy(31.7007, 0.1931, 0.1956)

Conversions

Conversions Part 1

Format	Color
Hex	339CFF
RGB	51, 156, 255
RGB Percent	20%, 61%, 100%
CMY	0.8007, 0.3882, 0.0000
CMYK	0.80, 0.39, 0.00, 0.00
HSL	209°, 100%, 60%
HSV	209°, 80%, 100%
XYZ	31.2955, 31.7007, 99.0728
YIQ	135.8910, -94.3590, 8.5290

Conversions

Conversions Part 2

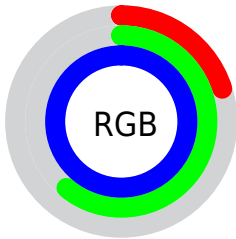
Format	Color
R _Y B	51, 120, 255
Decimal	3382527
CIE Lab	63.09, 4.34, -57.43
CIE LCh	63, 57.597, 274.320
Yxy	31.7007, 0.1931, 0.1956
Android (android.graphics.Color)	4281572607 (0xFF339CFF)
YUV	135.8910, 58.7207, -74.4494
Hunter-Lab	56.3034, 0.6861, -64.9158

Details

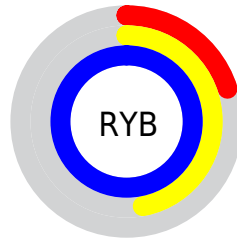
The Yxy color **31.7007, 0.1931, 0.1956** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **43.2442, 0.5037, 0.4133**, and the grayscale version is **24.3631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8252, 0.2365, 0.2743**, and **14.3853, 0.1803, 0.1690** is the 20% darker color. If you saturate the color by 10%, you get **27.2731, 0.1843, 0.1771**, and if you desaturate by 10%, it is **36.9147, 0.2043, 0.2147**.

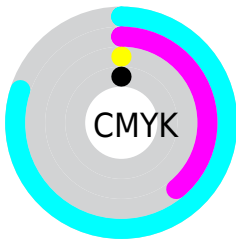
Distribution



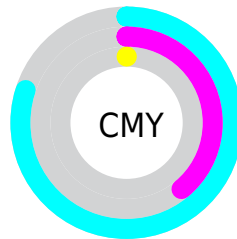
- Red (20%)
- Green (61%)
- Blue (100%)



- Red (20%)
- Yellow (47%)
- Blue (100%)



- Cyan (80%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7007, 0.1931, 0.1956 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 31.7007, 0.1931, 0.1956 by changing the saturation by 10% instead.


 31.7007, 0.1931,
0.1956


 31.7007, 0.1931,
0.1956


309.7536, 0.2523,
0.2608

 21.1330, 0.1793,
0.1806


 62.3416, 0.2141,
0.2185

 13.2213, 0.1622,
0.1623


 83.1836, 0.2221,
0.2273

 7.5811, 0.1411,
0.1397


 108.2191, 0.2290,
0.2349

 3.8281, 0.1147,
0.1118

 137.8325, 0.2349,
0.2415

 1.5779, 0.0822,
0.0781

172.4083, 0.2401,
0.2472

 0.3426, 0.0399,
0.0317

212.3308, 0.2447,

 0.0000, 0.0000,

0.2523

0.0000

257.9844, 0.2487,
0.2568

■ 31.7007, 0.1931,
0.1956

■ 31.7007, 0.1931,
0.1956

■ 27.2731, 0.1843,
0.1771

■ 36.9147, 0.2043,
0.2147

■ 23.5554, 0.1777,
0.1597

■ 42.9760, 0.2176,
0.2339

■ 49.9409, 0.2324,
0.2526

■ 57.8585, 0.2482,
0.2705

■ 66.7737, 0.2645,
0.2872

■ 76.7278, 0.2809,
0.3025

■ 87.7597, 0.2970,
0.3164

99.9058, 0.3126,
0.3289

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.



31.7007, 0.1637, 0.2164



31.7007, 0.1931, 0.1956



31.7007, 0.2538, 0.2032

Triad

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



31.7007, 0.1931, 0.1956



31.7007, 0.4870, 0.3463



31.7007, 0.2665, 0.4602

Complementary

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



31.7007, 0.1931, 0.1956



43.2442, 0.5037, 0.4133

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.



31.7007, 0.3512, 0.4989



31.7007, 0.1931, 0.1956



31.7007, 0.4828, 0.4109

Square

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



31.7007, 0.1931, 0.1956



31.7007, 0.4327, 0.2853



31.7007, 0.4303, 0.4704



31.7007, 0.1993, 0.3646

Rectangle

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



31.7007, 0.1931, 0.1956



31.7007, 0.3102, 0.2219



31.7007, 0.4303, 0.4704



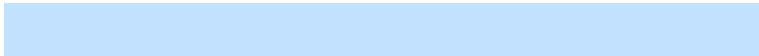
31.7007, 0.2940, 0.4816

Sweetspot

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



31.7017, 0.1931, 0.1956



72.6932, 0.2745, 0.2966



74.4024, 0.2699, 0.4717



14.8060, 0.2686, 0.2911



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.



31.7017, 0.1931, 0.1956



24.9872, 0.1802, 0.1666



10.5778, 0.1634, 0.0834



18.9258, 0.2979, 0.3172



12.6092, 0.1785, 0.1625



1.4465, 0.1841, 0.1826

Inverse Universe

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



26.0119, 0.4468, 0.2401



23.2684, 0.4844, 0.2460



90.8619, 0.4159, 0.4938



18.1434, 0.3213, 0.3168



12.0009, 0.4900, 0.2473



1.1906, 0.4654, 0.2337

Previews

White Background



This preview shows how the Yxy color 31.7007, 0.1931, 0.1956 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 31.7007, 0.1931, 0.1956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

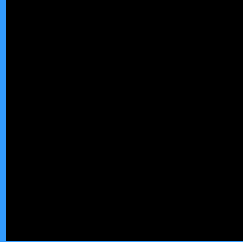
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

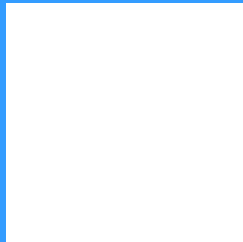
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.7007, 0.1931, 0.1956

Background



This preview shows how black text looks on a background with the Yxy color 31.7007, 0.1931, 0.1956.



This preview shows how white text looks on a background with the Yxy color 31.7007, 0.1931, 0.1956.

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

31.7007, 0.1931, 0.1956

Protanopia

31.4019, 0.2156, 0.1979

Deuteranopia

31.6647, 0.2000, 0.1939



Tritanopia

31.3415, 0.2185, 0.3065

Trichromacy



Original Color

31.7007, 0.1931, 0.1956

Protanomaly

31.2719, 0.2049, 0.1960

Deuteranomaly

31.5964, 0.1971, 0.1942

Tritanomaly

31.2336, 0.2067, 0.2591

Monochromacy



Original Color

31.7007, 0.1931, 0.1956

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.9029, 0.2475, 0.2696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7007, 0.1931, 0.1956 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, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 156, 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, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 156, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.7007, 0.1931, 0.1956 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, 156, 255) }
```

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

```
.border{ border-color:rgb(51, 156, 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, 156, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 156, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 156, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 156,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7007, 0.1931, 0.1956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 156, 255) }
```

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

```
.background{ background-color: rgb(51, 156,  
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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