

Converting Colors

$Yxy(31.8217, 0.1945, 0.1958)$

Have a look what the booklet for
Yxy(31.8217, 0.1945, 0.1958)
contains.

Yxy(31.8668, 0.1945, 0.1960)	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(31.8668, 0.1945, 0.1960)

Conversions

Conversions Part 1

Format	Color
Hex	399CFF
RGB	57, 156, 255
RGB Percent	22%, 61%, 100%
CMY	0.7767, 0.3882, 0.0000
CMYK	0.78, 0.39, 0.00, 0.00
HSL	210°, 100%, 61%
HSV	210°, 78%, 100%
XYZ	31.6229, 31.8668, 99.0960
YIQ	137.6850, -90.7830, 9.8010

Conversions

Conversions Part 2

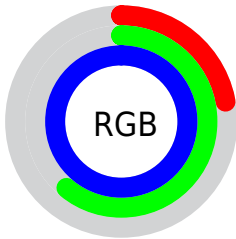
Format	Color
R _Y B	57, 123, 255
Decimal	3775743
CIE Lab	63.23, 4.94, -57.21
CIE LCh	63, 57.424, 274.939
Yxy	31.8668, 0.1945, 0.1960
Android (android.graphics.Color)	4281965823 (0xFF399CFF)
YUV	137.6850, 57.8363, -70.7607
Hunter-Lab	56.4507, 1.2046, -64.5648

Details

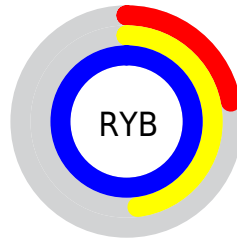
The Yxy color **31.8668, 0.1945, 0.1960** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **45.3068, 0.4944, 0.4159**, and the grayscale version is **25.0853, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1385, 0.2383, 0.2745**, and **14.3853, 0.1803, 0.1690** is the 20% darker color. If you saturate the color by 10%, you get **27.2421, 0.1849, 0.1768**, and if you desaturate by 10%, it is **37.3172, 0.2065, 0.2158**.

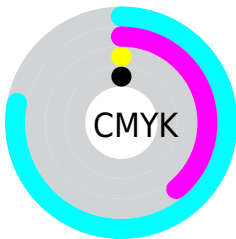
Distribution



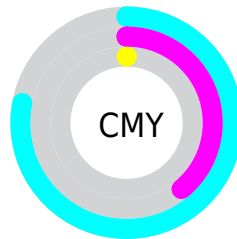
- Red (22%)
- Green (61%)
- Blue (100%)



- Red (22%)
- Yellow (48%)
- Blue (100%)



- Cyan (78%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)





- Cyan (78%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8668, 0.1945, 0.1960 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 31.8668, 0.1945, 0.1960 by changing the saturation by 10% instead.


 31.8668, 0.1945,
0.1960


 31.8668, 0.1945,
0.1960

310.5120, 0.2530,
0.2609


 21.2598, 0.1808,
0.1811


 62.6022, 0.2152,
0.2188

 13.3140, 0.1639,
0.1628


 83.4994, 0.2232,
0.2276

 7.6451, 0.1429,
0.1403


 108.5954, 0.2300,
0.2352

 3.8687, 0.1167,
0.1126

 138.2747, 0.2359,
0.2417

 1.6004, 0.0842,
0.0790

172.9216, 0.2410,
0.2474

 0.3579, 0.0424,
0.0329

212.9205, 0.2455,

 0.0000, 0.0000,

0.2525

0.0000

258.6559, 0.2495,
0.2569

■ 31.8668, 0.1945,
0.1960

■ 31.8668, 0.1945,
0.1960

■ 27.2421, 0.1849,
0.1768

■ 37.3172, 0.2065,
0.2158

■ 23.3618, 0.1777,
0.1586

■ 43.6543, 0.2204,
0.2355

■ 22.5419, 0.1763,
0.1545

■ 50.9332, 0.2357,
0.2546

■ 59.2033, 0.2518,
0.2728

■ 68.5095, 0.2683,
0.2898

■ 78.8935, 0.2848,
0.3053

■ 90.3945, 0.3008,
0.3193

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.



31.8668, 0.1645, 0.2161



31.8668, 0.1945, 0.1960



31.8668, 0.2556, 0.2041

Triad

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



31.8668, 0.1945, 0.1960



31.8668, 0.4867, 0.3476



31.8668, 0.2651, 0.4580

Complementary

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



31.8668, 0.1945, 0.1960



45.3068, 0.4944, 0.4159

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.



31.8668, 0.3493, 0.4980



31.8668, 0.1945, 0.1960



31.8668, 0.4814, 0.4121

Square

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



31.8668, 0.1945, 0.1960



31.8668, 0.4337, 0.2867



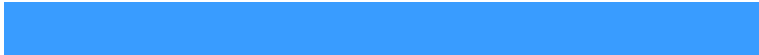
31.8668, 0.4284, 0.4709



31.8668, 0.1987, 0.3624

Rectangle

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



31.8668, 0.1945, 0.1960



31.8668, 0.3122, 0.2231



31.8668, 0.4284, 0.4709



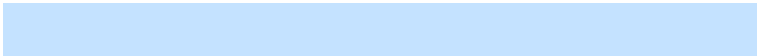
31.8668, 0.2924, 0.4797

Sweetspot

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



31.8674, 0.1945, 0.1960



73.2255, 0.2760, 0.2972



74.6768, 0.2698, 0.4668



14.8885, 0.2701, 0.2915



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.



31.8674, 0.1945, 0.1960



25.0893, 0.1808, 0.1670



11.3443, 0.1664, 0.0884



18.8791, 0.2979, 0.3168



12.0773, 0.1771, 0.1574



1.3943, 0.1828, 0.1780

Inverse Universe

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



26.5802, 0.4456, 0.2432



23.4788, 0.4835, 0.2472



90.9866, 0.4144, 0.4917



18.1387, 0.3215, 0.3172



11.9472, 0.4963, 0.2508



1.1853, 0.4709, 0.2368

Previews

White Background



This preview shows how the Yxy color 31.8668, 0.1945, 0.1960 looks on a white background.

Color Contrast Check

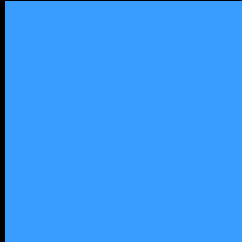
Large Text (above 18pt) WCAG AA × Fail

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 31.8668, 0.1945, 0.1960 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

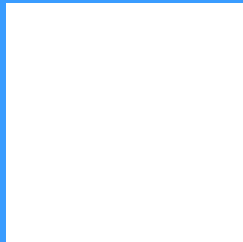
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.8668, 0.1945, 0.1960

Background



This preview shows how black text looks on a background with the Yxy color 31.8668, 0.1945, 0.1960.



This preview shows how white text looks on a background with the Yxy color 31.8668, 0.1945, 0.1960.

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

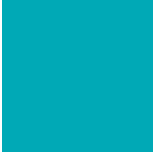
31.8668, 0.1945, 0.1960

Protanopia

31.7169, 0.2159, 0.1992

Deuteranopia

31.7518, 0.2007, 0.1941



Tritanopia

31.7533, 0.2185, 0.3066

Trichromacy



Original Color

31.8668, 0.1945, 0.1960

Protanomaly

31.6968, 0.2061, 0.1976

Deuteranomaly

31.7089, 0.1980, 0.1945

Tritanomaly

31.3138, 0.2066, 0.2578

Monochromacy



Original Color

31.8668, 0.1945, 0.1960

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.8382, 0.2497, 0.2705

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8668, 0.1945, 0.1960 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(57, 156, 255)` looks like.

```
.text, #text, p{  
  color:rgb(57, 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(57, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 156, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.8668, 0.1945, 0.1960 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(57, 156, 255) }
```

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

```
.border{ border-color:rgb(57, 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(57, 156, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(57, 156, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(57, 156, 255); box-shadow:4px 4px 4px 4px rgb(57, 156, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8668, 0.1945, 0.1960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 156, 255) }
```

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

```
.background{ background-color: rgb(57, 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](#).

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