

Converting Colors

$Yxy(30.2638, 0.1911, 0.1896)$

Have a look what the booklet for
Yxy(30.2638, 0.1911, 0.1896)
contains.

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Color

Yxy(30.3294, 0.1912, 0.1899)

Conversions

Conversions Part 1

Format	Color
Hex	3198FF
RGB	49, 152, 255
RGB Percent	19%, 60%, 100%
CMY	0.8085, 0.4039, 0.0000
CMYK	0.81, 0.40, 0.00, 0.00
HSL	210°, 100%, 60%
HSV	210°, 81%, 100%
XYZ	30.5370, 30.3294, 98.8461
YIQ	132.9450, -94.4510, 10.1970

Conversions

Conversions Part 2

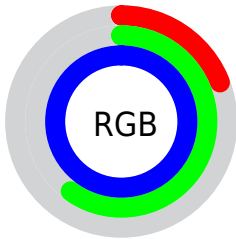
Format	Color
R _Y B	49, 118, 255
Decimal	3250431
CIE Lab	61.94, 6.51, -59.28
CIE LCh	62, 59.638, 276.271
Yxy	30.3294, 0.1912, 0.1899
Android (android.graphics.Color)	4281440511 (0xFF3198FF)
YUV	132.9450, 60.1731, -73.6198
Hunter-Lab	55.0721, 2.6005, -67.8660

Details

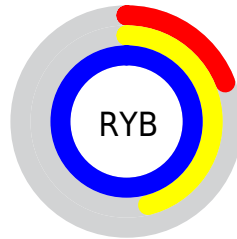
The Yxy color **30.3294, 0.1912, 0.1899** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **43.8720, 0.5026, 0.4162**, and the grayscale version is **23.2214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7982, 0.2350, 0.2691**, and **13.5800, 0.1784, 0.1621** is the 20% darker color. If you saturate the color by 10%, you get **25.9523, 0.1824, 0.1710**, and if you desaturate by 10%, it is **35.5099, 0.2025, 0.2095**.

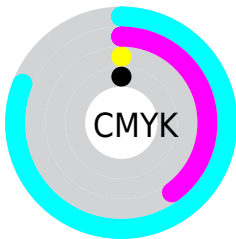
Distribution



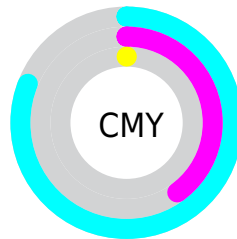
- Red (19%)
- Green (60%)
- Blue (100%)



- Red (19%)
- Yellow (46%)
- Blue (100%)



- Cyan (81%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)



- Cyan (81%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.3294, 0.1912, 0.1899 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 30.3294, 0.1912, 0.1899 by changing the saturation by 10% instead.


 30.3294, 0.1912,
0.1899


 30.3294, 0.1912,
0.1899

303.4369, 0.2516,
0.2577

 20.0887, 0.1770,
0.1744


 60.1827, 0.2126,
0.2137


 12.4596, 0.1596,
0.1555


 80.5642, 0.2209,
0.2229

 7.0575, 0.1380,
0.1323


 105.0947, 0.2279,
0.2308

 3.4981, 0.1112,
0.1040

 134.1586, 0.2340,
0.2376

 1.3970, 0.0784,
0.0704

168.1404, 0.2392,
0.2436

 0.2145, 0.0343,
0.0203

207.4245, 0.2439,

 0.0000, 0.0000,

0.2489

0.0000

252.3952, 0.2480,
0.2535

■ 30.3294, 0.1912,
0.1899

■ 30.3294, 0.1912,
0.1899

■ 25.9523, 0.1824,
0.1710

■ 35.5099, 0.2025,
0.2095

■ 22.5611, 0.1763,
0.1547

■ 41.5573, 0.2158,
0.2293

■ 48.5293, 0.2307,
0.2487

■ 56.4767, 0.2466,
0.2672

■ 65.4456, 0.2631,
0.2845

■ 75.4787, 0.2796,
0.3005

■ 86.6160, 0.2958,
0.3150

■ 98.8950, 0.3114,
0.3280

■ 99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



30.3294, 0.1589, 0.2088



30.3294, 0.1912, 0.1899



30.3294, 0.2561, 0.1997

Triad

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



30.3294, 0.1912, 0.1899



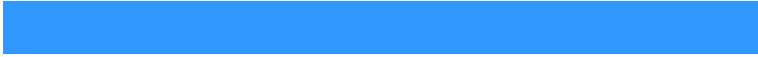
30.3294, 0.4970, 0.3501



30.3294, 0.2583, 0.4626

Complementary

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



30.3294, 0.1912, 0.1899



43.8720, 0.5026, 0.4162

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.



30.3294, 0.3459, 0.5077



30.3294, 0.1912, 0.1899



30.3294, 0.4877, 0.4172

Square

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



30.3294, 0.1912, 0.1899



30.3294, 0.4440, 0.2869



30.3294, 0.4296, 0.4793



30.3294, 0.1906, 0.3590

Rectangle

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



30.3294, 0.1912, 0.1899



30.3294, 0.3161, 0.2200



30.3294, 0.4296, 0.4793



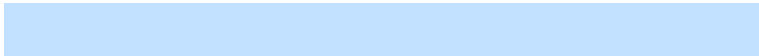
30.3294, 0.2865, 0.4867

Sweetspot

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



30.3303, 0.1912, 0.1899



72.2065, 0.2744, 0.2956



74.3176, 0.2700, 0.4732



14.6895, 0.2685, 0.2900



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.



30.3303, 0.1912, 0.1899



23.6238, 0.1782, 0.1599



10.3479, 0.1625, 0.0819



18.8800, 0.2979, 0.3168



12.0880, 0.1771, 0.1575



1.3954, 0.1828, 0.1781

Inverse Universe

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



25.7086, 0.4534, 0.2429



23.0771, 0.4928, 0.2502



90.8220, 0.4163, 0.4945



18.1387, 0.3215, 0.3172



11.9483, 0.4962, 0.2507



1.1854, 0.4708, 0.2367

Previews

White Background



This preview shows how the Yxy color 30.3294, 0.1912, 0.1899 looks on a white background.

Color Contrast Check

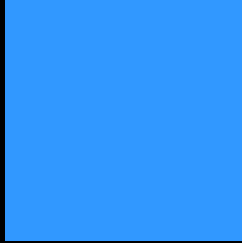
Large Text (above 18pt) WCAG AA × Fail

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 30.3294, 0.1912, 0.1899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

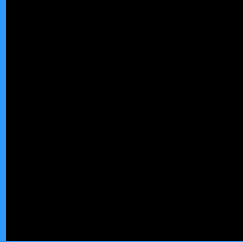
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

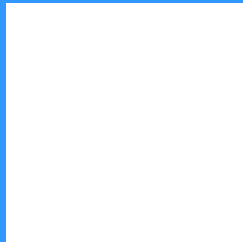
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.3294, 0.1912, 0.1899

Background



This preview shows how black text looks on a background with the Yxy color 30.3294, 0.1912, 0.1899.



This preview shows how white text looks on a background with the Yxy color 30.3294, 0.1912, 0.1899.

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

30.3294, 0.1912, 0.1899

Protanopia

30.0314, 0.2111, 0.1928

Deuteranopia

30.2260, 0.1951, 0.1886



Tritanopia

30.0846, 0.2188, 0.3078

Trichromacy



Original Color

30.3294, 0.1912, 0.1899

Protanomaly

30.0761, 0.2019, 0.1913

Deuteranomaly

30.3139, 0.1935, 0.1893

Tritanomaly

29.6780, 0.2060, 0.2564

Monochromacy



Original Color

30.3294, 0.1912, 0.1899

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.7553, 0.2458, 0.2670

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3294, 0.1912, 0.1899 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(49, 152, 255)` looks like.

```
.text, #text, p{  
    color:rgb(49, 152, 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(49, 152, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 152, 255) }
```

Border

The CSS property to change the border of an element to Yxy 30.3294, 0.1912, 0.1899 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(49, 152, 255) }
```

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

```
.border{ border-color:rgb(49, 152, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 152, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 152, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 152, 255);  
box-shadow:4px 4px 4px 4px rgb(49, 152,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3294, 0.1912, 0.1899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 152, 255) }
```

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

```
.background{ background-color: rgb(49, 152,  
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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