

Converting Colors

$Y_{xy}(30.0057, 0.1948, 0.1880)$

Have a look what the booklet for
Yxy(30.0057, 0.1948, 0.1880)
contains.

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Color

Yxy(29.8731, 0.1944, 0.1871)

Conversions

Conversions Part 1

Format	Color
Hex	4295FF
RGB	66, 149, 255
RGB Percent	26%, 58%, 100%
CMY	0.7417, 0.4156, 0.0000
CMYK	0.74, 0.42, 0.00, 0.00
HSL	214°, 100%, 63%
HSV	214°, 74%, 100%
XYZ	31.0386, 29.8731, 98.7521
YIQ	136.2670, -83.4940, 15.3700

Conversions

Conversions Part 2

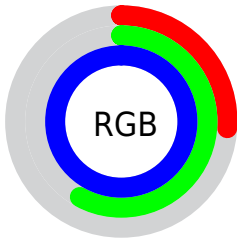
Format	Color
R _Y B	66, 124, 255
Decimal	4363775
CIE Lab	61.54, 10.07, -59.90
CIE LCh	62, 60.738, 279.546
Yxy	29.8731, 0.1944, 0.1871
Android (android.graphics.Color)	4282553855 (0xFF4295FF)
YUV	136.2670, 58.5354, -61.6242
Hunter-Lab	54.6563, 5.7195, -68.8648

Details

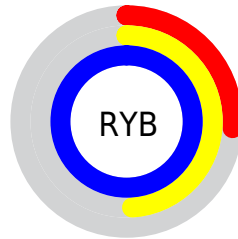
The Yxy color **29.8731, 0.1944, 0.1871** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **51.0978, 0.4744, 0.4257**, and the grayscale version is **24.5125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.1661, 0.2390, 0.2660**, and **13.0009, 0.1770, 0.1570** is the 20% darker color. If you saturate the color by 10%, you get **24.9298, 0.1832, 0.1657**, and if you desaturate by 10%, it is **35.7648, 0.2080, 0.2092**.

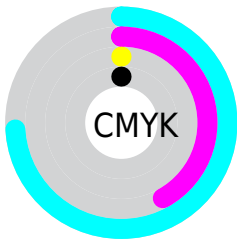
Distribution



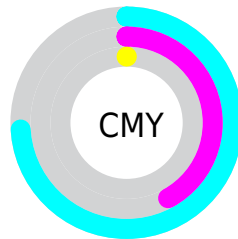
- Red (26%)
- Green (58%)
- Blue (100%)



- Red (26%)
- Yellow (49%)
- Blue (100%)



- Cyan (74%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (74%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8731, 0.1944, 0.1871 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 29.8731, 0.1944, 0.1871 by changing the saturation by 10% instead.

 29.8731, 0.1944,
0.1871

 29.8731, 0.1944,
0.1871


301.3125, 0.2536,
0.2559


 19.7423, 0.1804,
0.1714


 59.4614, 0.2155,
0.2111


 12.2079, 0.1632,
0.1524


 79.6877, 0.2235,
0.2205

 6.8854, 0.1418,
0.1292


 104.0480, 0.2304,
0.2285

 3.3905, 0.1150,
0.1009

 132.9266, 0.2364,
0.2355

 1.3389, 0.0820,
0.0676

166.7080, 0.2415,
0.2416

 0.1710, 0.0387,
0.0162

205.7765, 0.2460,

 0.0000, 0.0000,

0.2469

0.0000

250.5165, 0.2500,
0.2517

■ 29.8731, 0.1944,
0.1871

■ 29.8731, 0.1944,
0.1871

■ 24.9298, 0.1832,
0.1657

■ 35.7648, 0.2080,
0.2092

■ 20.8586, 0.1747,
0.1457

■ 42.6711, 0.2233,
0.2312

■ 18.8326, 0.1708,
0.1348

■ 50.6499, 0.2397,
0.2525

■ 59.7542, 0.2567,
0.2726

■ 70.0328, 0.2738,
0.2912

■ 81.5311, 0.2904,
0.3080

■ 94.2921, 0.3063,
0.3232

100.0000, 0.3127,
0.3290

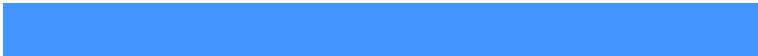
Harmonies

Analogous

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



29.8731, 0.1582, 0.2026



29.8731, 0.1944, 0.1871



29.8731, 0.2640, 0.2000

Triad

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



29.8731, 0.1944, 0.1871



29.8731, 0.5032, 0.3572



29.8731, 0.2478, 0.4564

Complementary

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



29.8731, 0.1944, 0.1871



51.0978, 0.4744, 0.4257

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.



29.8731, 0.3360, 0.5113



29.8731, 0.1944, 0.1871



29.8731, 0.4866, 0.4256

Square

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



29.8731, 0.1944, 0.1871



29.8731, 0.4558, 0.2925



29.8731, 0.4229, 0.4877



29.8731, 0.1825, 0.3473

Rectangle

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



29.8731, 0.1944, 0.1871



29.8731, 0.3270, 0.2223



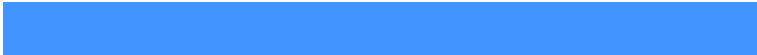
29.8731, 0.4229, 0.4877



29.8731, 0.2759, 0.4839

Sweetspot

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



29.8729, 0.1944, 0.1871



72.4258, 0.2774, 0.2950



75.5714, 0.2646, 0.4420



14.8647, 0.2728, 0.2902



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.



29.8729, 0.1944, 0.1871



22.8610, 0.1787, 0.1558



12.6087, 0.1745, 0.0960



18.6919, 0.2979, 0.3153



10.1261, 0.1716, 0.1378



1.1991, 0.1777, 0.1597

Inverse Universe

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



27.3104, 0.4540, 0.2551



23.6469, 0.4966, 0.2578



91.4220, 0.4035, 0.4946



18.1198, 0.3225, 0.3186



11.7502, 0.5220, 0.2649



1.1656, 0.4935, 0.2492

Previews

White Background



This preview shows how the Yxy color 29.8731, 0.1944, 0.1871 looks on a white background.

Color Contrast Check

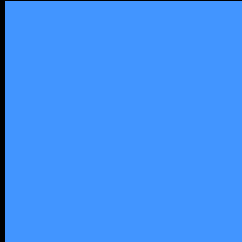
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8731, 0.1944, 0.1871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

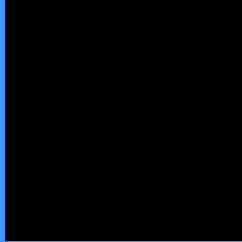
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

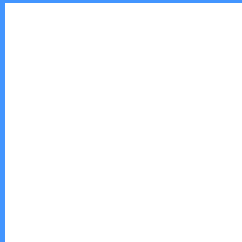
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.8731, 0.1944, 0.1871

Background



This preview shows how black text looks on a background with the Yxy color 29.8731, 0.1944, 0.1871.

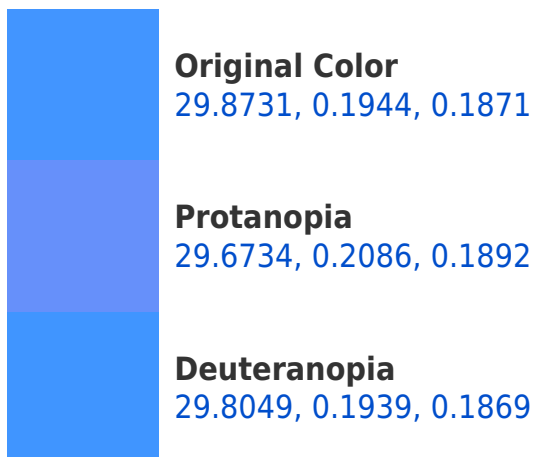


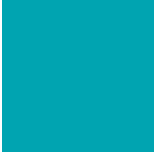
This preview shows how white text looks on a background with the Yxy color 29.8731, 0.1944, 0.1871.

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





Tritanopia

29.7252, 0.2183, 0.3060

Trichromacy



Original Color

29.8731, 0.1944, 0.1871

Protanomaly

29.7099, 0.2026, 0.1882

Deuteranomaly

29.8387, 0.1942, 0.1870

Tritanomaly

29.3982, 0.2062, 0.2548

Monochromacy



Original Color

29.8731, 0.1944, 0.1871

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.6194, 0.2509, 0.2668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8731, 0.1944, 0.1871 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(66, 149, 255)` looks like.

```
.text, #text, p{  
    color:rgb(66, 149, 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(66, 149, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 149, 255) }
```

Border

The CSS property to change the border of an element to Yxy 29.8731, 0.1944, 0.1871 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(66, 149, 255) }
```

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

```
.border{ border-color:rgb(66, 149, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 149, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 149, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 149, 255);  
box-shadow:4px 4px 4px 4px rgb(66, 149,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8731, 0.1944, 0.1871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 149, 255) }
```

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

```
.background{ background-color: rgb(66, 149,  
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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