

Converting Colors

$Y_{xy}(26.2964, 0.1970, 0.1698)$

Have a look what the booklet for
Yxy(26.2964, 0.1970, 0.1698)
contains.

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Color

Yxy(26.2964, 0.1970, 0.1698)

Conversions

Conversions Part 1

Format	Color
Hex	5786FF
RGB	87, 134, 255
RGB Percent	34%, 53%, 100%
CMY	0.6585, 0.4745, 0.0001
CMYK	0.66, 0.47, 0.00, 0.00
HSL	223°, 100%, 67%
HSV	223°, 66%, 100%
XYZ	30.5088, 26.2964, 98.0617
YIQ	133.7410, -66.8530, 27.6670

Conversions

Conversions Part 2

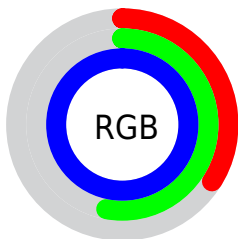
Format	Color
R _Y B	87, 124, 255
Decimal	5736191
CIE Lab	58.32, 22.01, -65.01
CIE LCh	58, 68.634, 288.707
Yxy	26.2964, 0.1970, 0.1698
Android (android.graphics.Color)	4283926271 (0xFF5786FF)
YUV	133.7410, 59.7807, -40.9919
Hunter-Lab	51.2800, 16.4576, -77.4830

Details

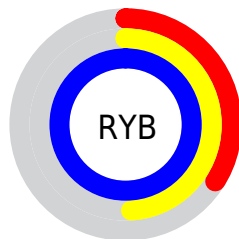
The Yxy color **26.2964, 0.1970, 0.1698** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **67.0972, 0.4335, 0.4439**, and the grayscale version is **23.5429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.4360, 0.2441, 0.2474**, and **10.5282, 0.1708, 0.1350** is the 20% darker color. If you saturate the color by 10%, you get **20.6323, 0.1820, 0.1432**, and if you desaturate by 10%, it is **33.2778, 0.2142, 0.1975**.

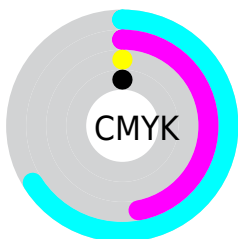
Distribution



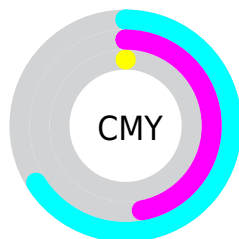
- Red (34%)
- Green (53%)
- Blue (100%)



- Red (34%)
- Yellow (49%)
- Blue (100%)



- Cyan (66%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)





- Cyan (66%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.2964, 0.1970, 0.1698 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 26.2964, 0.1970, 0.1698 by changing the saturation by 10% instead.


 26.2964, 0.1970,
0.1698


 26.2964, 0.1970,
0.1698


284.2341, 0.2563,
0.2460


 17.0455, 0.1827,
0.1529


 53.7527, 0.2183,
0.1961


 10.2669, 0.1651,
0.1326


 72.7270, 0.2264,
0.2064

 5.5763, 0.1430,
0.1084


 95.7111, 0.2333,
0.2153

 2.5892, 0.1152,
0.0800

 123.0895, 0.2392,
0.2231

 0.9212, 0.0812,
0.0482

155.2466, 0.2444,
0.2299

 0.0000, 0.0354,
0.0000

192.5668, 0.2488,

 0.0000, 0.0000,

0.2359

0.0000

235.4345, 0.2528,
0.2412

■ 26.2964, 0.1970,
0.1698

■ 26.2964, 0.1970,
0.1698

■ 20.6323, 0.1820,
0.1432

■ 33.2778, 0.2142,
0.1975

■ 16.1897, 0.1700,
0.1192

■ 41.6576, 0.2326,
0.2251

■ 12.8600, 0.1615,
0.0991

■ 51.5124, 0.2514,
0.2515

■ 11.7553, 0.1589,
0.0919

■ 62.9123, 0.2698,
0.2761

■ 75.9226, 0.2873,
0.2984

■ 90.6047, 0.3037,
0.3184

99.9990, 0.3127,
0.3290

Harmonies

Analogous

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



26.2964, 0.1466, 0.1755



26.2964, 0.1970, 0.1698



26.2964, 0.2867, 0.1928

Triad

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



26.2964, 0.1970, 0.1698



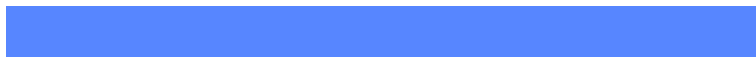
26.2964, 0.5342, 0.3780



26.2964, 0.2083, 0.4446

Complementary

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



26.2964, 0.1970, 0.1698



67.0972, 0.4335, 0.4439

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.



26.2964, 0.3025, 0.5389



26.2964, 0.1970, 0.1698



26.2964, 0.4906, 0.4563

Square

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



26.2964, 0.1970, 0.1698



26.2964, 0.5055, 0.3055



26.2964, 0.4045, 0.5269



26.2964, 0.1489, 0.3093

Rectangle

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



26.2964, 0.1970, 0.1698



26.2964, 0.3649, 0.2224



26.2964, 0.4045, 0.5269



26.2964, 0.2370, 0.4863

Sweetspot

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



26.2972, 0.1970, 0.1698



70.3287, 0.2802, 0.2894



78.0657, 0.2541, 0.3889



14.2760, 0.2752, 0.2831



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.



26.2972, 0.1970, 0.1698



19.1067, 0.1778, 0.1353



18.2947, 0.2054, 0.1266



18.2037, 0.2979, 0.3114



6.3581, 0.1596, 0.0946



0.7938, 0.1656, 0.1162

Inverse Universe

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



29.8084, 0.4685, 0.2853



24.9787, 0.5185, 0.2856



87.1987, 0.3780, 0.4951



18.0705, 0.3250, 0.3224



11.3698, 0.5840, 0.2991



1.1247, 0.5521, 0.2815

Previews

White Background



This preview shows how the Yxy color 26.2964, 0.1970, 0.1698 looks on a white background.

Color Contrast Check

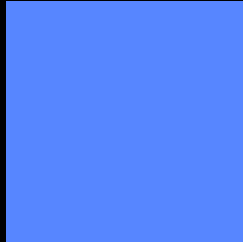
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.2964, 0.1970, 0.1698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

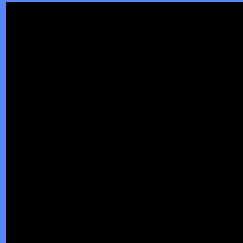
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.2964, 0.1970, 0.1698

Background



This preview shows how black text looks on a background with the Yxy color 26.2964, 0.1970, 0.1698.



This preview shows how white text looks on a background with the Yxy color 26.2964, 0.1970, 0.1698.

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

26.2964, 0.1970, 0.1698

Protanopia

26.2102, 0.1941, 0.1699

Deuteranopia

26.3110, 0.1826, 0.1774



Tritanopia

26.0954, 0.2209, 0.3048

Trichromacy



Original Color

26.2964, 0.1970, 0.1698

Protanomaly

26.3418, 0.1953, 0.1703

Deuteranomaly

25.8006, 0.1841, 0.1734

Tritanomaly

25.5953, 0.2081, 0.2430

Monochromacy



Original Color

26.2964, 0.1970, 0.1698

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.0465, 0.2557, 0.2573

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.2964, 0.1970, 0.1698 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(87, 134, 255)` looks like.

```
.text, #text, p{  
    color:rgb(87, 134, 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(87, 134, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 134, 255) }
```

Border

The CSS property to change the border of an element to Yxy 26.2964, 0.1970, 0.1698 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(87, 134, 255) }
```

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

```
.border{ border-color:rgb(87, 134, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 134, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 134, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 134, 255);  
box-shadow:4px 4px 4px 4px rgb(87, 134,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 26.2964, 0.1970, 0.1698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 134, 255) }
```

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

```
.background{ background-color: rgb(87, 134,  
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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