

Converting Colors

$Y_{xy}(28.8260, 0.2144, 0.1976)$

Have a look what the booklet for
Yxy(28.8260, 0.2144, 0.1976)
contains.

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Color

Yxy(28.9411, 0.2149, 0.1984)

Conversions

Conversions Part 1

Format	Color
Hex	6A8FEF
RGB	106, 143, 239
RGB Percent	42%, 56%, 94%
CMY	0.5841, 0.4392, 0.0628
CMYK	0.56, 0.40, 0.00, 0.06
HSL	223°, 81%, 68%
HSV	223°, 56%, 94%
XYZ	31.3480, 28.9411, 85.5834
YIQ	142.8810, -52.8680, 22.0120

Conversions

Conversions Part 2

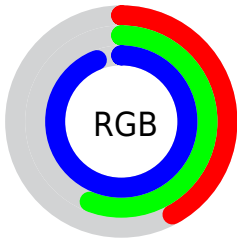
Format	Color
RYB	106, 135, 239
Decimal	6983663
CIELab	60.73, 14.73, -52.28
CIElCh	61, 54.317, 285.730
Yxy	28.9411, 0.2149, 0.1984
Android (android.graphics.Color)	4285173743 (0xFF6A8FEF)
YUV	142.8810, 47.3867, -32.3446
Hunter-Lab	53.7969, 9.8691, -56.6642

Details

The Yxy color **28.9411, 0.2149, 0.1984** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **61.6472, 0.4137, 0.4299**, and the grayscale version is **27.2459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.6992, 0.2534, 0.2600**, and **11.6374, 0.1868, 0.1647** is the 20% darker color. If you saturate the color by 10%, you get **22.8871, 0.1977, 0.1707**, and if you desaturate by 10%, it is **36.2019, 0.2333, 0.2259**.

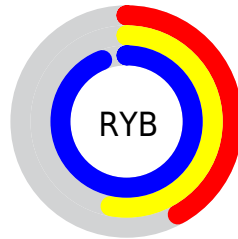
Distribution



Red (42%)

Green (56%)

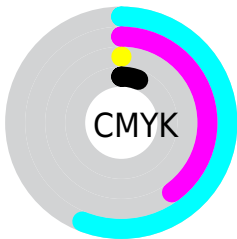
Blue (94%)



Red (42%)

Yellow (53%)

Blue (94%)

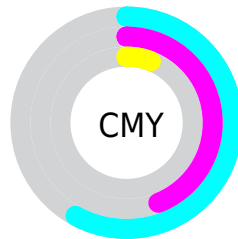


Cyan (56%)

Magenta (40%)

Yellow (0%)

Black (6%)



Cyan (58%)

Magenta (44%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.9411, 0.2149, 0.1984 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 28.9411, 0.2149, 0.1984 by changing the saturation by 10% instead.

■ 28.9411, 0.2149,
0.1984

■ 28.9411, 0.2149,
0.1984

■ 296.9370, 0.2653,
0.2626

■ 19.0363, 0.2024,
0.1834

■ 57.9835, 0.2332,
0.2211

■ 11.6965, 0.1867,
0.1648

■ 77.8898, 0.2401,
0.2299

■ 6.5374, 0.1665,
0.1417

■ 101.8988, 0.2460,
0.2373

■ 3.1745, 0.1400,
0.1128

■ 130.3948, 0.2510,
0.2438

■ 1.2235, 0.1053,
0.0772

■ 163.7622, 0.2553,
0.2494

■ 0.0808, 0.0560,
0.0104

■ 202.3855, 0.2590,

■ 0.0000, 0.0000,

0.2544

0.0000

246.6489, 0.2624,
0.2587

■ 28.9411, 0.2149,
0.1984

■ 28.9411, 0.2149,
0.1984

■ 22.8871, 0.1977,
0.1707

■ 36.2019, 0.2333,
0.2259

■ 17.9658, 0.1825,
0.1441

■ 44.7314, 0.2520,
0.2522

■ 14.0986, 0.1704,
0.1201

■ 54.5904, 0.2703,
0.2767


■ 11.1925, 0.1618,
0.0998

■ 65.8348, 0.2878,
0.2989

■ 10.1775, 0.1590,
0.0922

■ 78.5171, 0.3041,
0.3188

 92.6872, 0.3191,
0.3364

 99.0111, 0.3220,
0.3444

Harmonies

Analogous

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



28.9411, 0.1744, 0.2077



28.9411, 0.2149, 0.1984



28.9411, 0.2856, 0.2153

Triad

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



28.9411, 0.2149, 0.1984



28.9411, 0.4876, 0.3705



28.9411, 0.2399, 0.4245

Complementary

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



28.9411, 0.2149, 0.1984



61.6472, 0.4137, 0.4299

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.



28.9411, 0.3188, 0.4882



28.9411, 0.2149, 0.1984



28.9411, 0.4638, 0.4332

Square

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



28.9411, 0.2149, 0.1984



28.9411, 0.4556, 0.3086



28.9411, 0.4005, 0.4831



28.9411, 0.1853, 0.3266

Rectangle

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



28.9411, 0.2149, 0.1984



28.9411, 0.3453, 0.2391



28.9411, 0.4005, 0.4831



28.9411, 0.2644, 0.4526

Sweetspot

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



28.9421, 0.2149, 0.1984



74.3148, 0.2854, 0.2959



69.0235, 0.2594, 0.3778



15.3262, 0.2819, 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.



28.9421, 0.2149, 0.1984



25.5162, 0.1951, 0.1663



21.6872, 0.2248, 0.1588



15.9439, 0.2980, 0.3114



5.8144, 0.1597, 0.0948



0.6451, 0.1667, 0.1201

Inverse Universe

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



30.6488, 0.4318, 0.2896



29.2800, 0.4732, 0.2853



76.4944, 0.3713, 0.4727



15.8310, 0.3249, 0.3225



10.3803, 0.5838, 0.2990



0.8798, 0.5465, 0.2784

Previews

White Background



This preview shows how the Yxy color 28.9411, 0.2149, 0.1984 looks on a white background.

Color Contrast Check

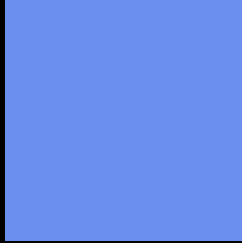
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9411, 0.2149, 0.1984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

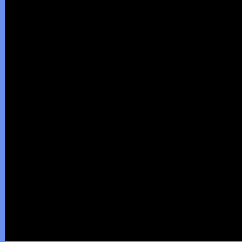
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

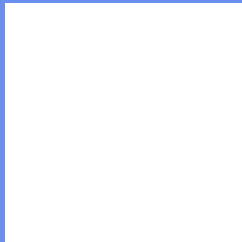
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.9411, 0.2149, 0.1984

Background



This preview shows how black text looks on a background with the Yxy color 28.9411, 0.2149, 0.1984.



This preview shows how white text looks on a background with the Yxy color 28.9411, 0.2149, 0.1984.

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

28.9411, 0.2149, 0.1984

Protanopia

29.0027, 0.2154, 0.1986

Deuteranopia

29.1643, 0.2081, 0.2024



Tritanopia

29.0615, 0.2417, 0.3082

Trichromacy



Original Color

28.9411, 0.2149, 0.1984

Protanomaly

29.0027, 0.2154, 0.1986

Deuteranomaly

29.1637, 0.2106, 0.2018

Tritanomaly

28.8464, 0.2304, 0.2621

Monochromacy



Original Color

28.9411, 0.2149, 0.1984

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.6051, 0.2688, 0.2742

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9411, 0.2149, 0.1984 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(106, 143, 239)` looks like.

```
.text, #text, p{  
    color:rgb(106, 143, 239)  
}
```

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(106, 143, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 143, 239) }
```

Border

The CSS property to change the border of an element to Yxy 28.9411, 0.2149, 0.1984 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(106, 143, 239) }
```

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

```
.border{ border-color:rgb(106, 143, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 143, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 143, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 143, 239);  
box-shadow:4px 4px 4px 4px rgb(106, 143,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9411, 0.2149, 0.1984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 143, 239) }
```

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

```
.background{ background-color: rgb(106,  
143, 239) }
```

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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