

Converting Colors

$Y_{xy}(29.5342, 0.2083, 0.1936)$

Have a look what the booklet for
Yxy(29.5342, 0.2083, 0.1936)
contains.

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Color

Yxy(29.4460, 0.2080, 0.1933)

Conversions

Conversions Part 1

Format	Color
Hex	6191F6
RGB	97, 145, 246
RGB Percent	38%, 57%, 96%
CMY	0.6198, 0.4313, 0.0353
CMYK	0.61, 0.41, 0.00, 0.04
HSL	221°, 89%, 67%
HSV	221°, 61%, 96%
XYZ	31.6853, 29.4460, 91.2019
YIQ	142.1620, -61.0290, 21.2350

Conversions

Conversions Part 2

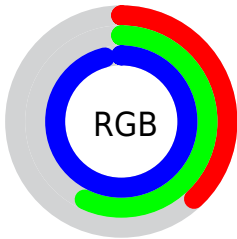
Format	Color
R _{YB}	97, 133, 246
Decimal	6394358
CIE _{Lab}	61.17, 14.05, -55.47
CIE _{LCh}	61, 57.223, 284.211
Yxy	29.4460, 0.2080, 0.1933
Android (android.graphics.Color)	4284584438 (0xFF6191F6)
YUV	142.1620, 51.1921, -39.6071
Hunter-Lab	54.2642, 9.2653, -61.6639

Details

The Yxy color **29.4460, 0.2080, 0.1933** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **60.8166, 0.4279, 0.4313**, and the grayscale version is **26.9263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8773, 0.2497, 0.2617**, and **11.9297, 0.1787, 0.1589** is the 20% darker color. If you saturate the color by 10%, you get **23.5733, 0.1922, 0.1672**, and if you desaturate by 10%, it is **36.4868, 0.2254, 0.2195**.

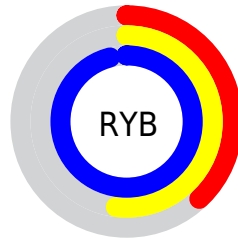
Distribution



Red (38%)

Green (57%)

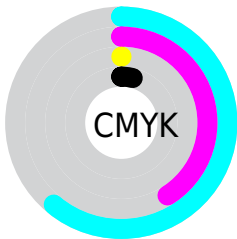
Blue (96%)



Red (38%)

Yellow (52%)

Blue (96%)

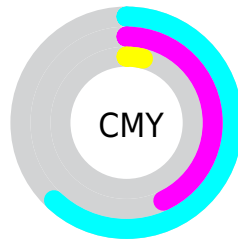


Cyan (61%)

Magenta (41%)

Yellow (0%)

Black (4%)



Cyan (62%)


Magenta (43%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4460, 0.2080, 0.1933 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 29.4460, 0.2080, 0.1933 by changing the saturation by 10% instead.


 29.4460, 0.2080,
0.1933


 29.4460, 0.2080,
0.1933


299.3135, 0.2614,
0.2595

 19.4185, 0.1950,
0.1780


 58.7849, 0.2273,
0.2166


 11.9730, 0.1788,
0.1593


 78.8652, 0.2346,
0.2256

 6.7253, 0.1582,
0.1362


 103.0650, 0.2408,
0.2333

 3.2909, 0.1316,
0.1076

 131.7690, 0.2461,
0.2400

 1.2854, 0.0976,
0.0731

165.3614, 0.2507,
0.2458

 0.1299, 0.0519,
0.0145

204.2267, 0.2547,

 0.0000, 0.0000,

0.2509

0.0000

248.7493, 0.2582,
0.2555

■ 29.4460, 0.2080,
0.1933

■ 29.4460, 0.2080,
0.1933

■ 23.5733, 0.1922,
0.1672

■ 36.4868, 0.2254,
0.2195

■ 18.7931, 0.1788,
0.1424

■ 44.7582, 0.2435,
0.2449


■ 15.0236, 0.1686,
0.1201


■ 54.3213, 0.2617,
0.2688

■ 12.2920, 0.1617,
0.1022

■ 65.2320, 0.2794,
0.2907

■ 77.5427, 0.2962,
0.3104

 91.3028, 0.3118,
0.3280

 99.4338, 0.3179,
0.3376

Harmonies

Analogous

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



29.4460, 0.1680, 0.2041



29.4460, 0.2080, 0.1933



29.4460, 0.2797, 0.2095

Triad

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



29.4460, 0.2080, 0.1933



29.4460, 0.4951, 0.3675



29.4460, 0.2399, 0.4344

Complementary

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



29.4460, 0.2080, 0.1933



60.8166, 0.4279, 0.4313

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.



29.4460, 0.3226, 0.4980



29.4460, 0.2080, 0.1933



29.4460, 0.4721, 0.4330

Square

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



29.4460, 0.2080, 0.1933



29.4460, 0.4590, 0.3041



29.4460, 0.4072, 0.4876



29.4460, 0.1820, 0.3310

Rectangle

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



29.4460, 0.2080, 0.1933



29.4460, 0.3416, 0.2333



29.4460, 0.4072, 0.4876



29.4460, 0.2658, 0.4633

Sweetspot

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



29.4470, 0.2080, 0.1933



74.0474, 0.2838, 0.2959



72.4504, 0.2599, 0.3933



15.0532, 0.2788, 0.2899



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.



29.4470, 0.2080, 0.1933



24.1465, 0.1885, 0.1607



19.3171, 0.2100, 0.1404



16.7990, 0.2980, 0.3125



6.7856, 0.1625, 0.1051



0.7749, 0.1694, 0.1297

Inverse Universe

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



30.1783, 0.4401, 0.2802



27.0794, 0.4835, 0.2767



82.1709, 0.3803, 0.4809



16.5706, 0.3243, 0.3214



10.7844, 0.5683, 0.2904



0.9659, 0.5330, 0.2710

Previews

White Background



This preview shows how the Yxy color 29.4460, 0.2080, 0.1933 looks on a white background.

Color Contrast Check

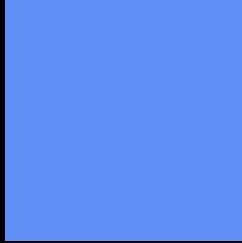
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4460, 0.2080, 0.1933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

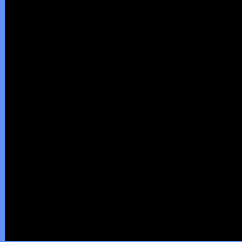
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

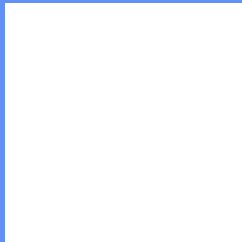
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.4460, 0.2080, 0.1933

Background



This preview shows how black text looks on a background with the Yxy color 29.4460, 0.2080, 0.1933.



This preview shows how white text looks on a background with the Yxy color 29.4460, 0.2080, 0.1933.

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

29.4460, 0.2080, 0.1933

Protanopia

29.5423, 0.2121, 0.1941

Deuteranopia

29.5217, 0.2025, 0.1962



Tritanopia

29.6025, 0.2322, 0.3064

Trichromacy



Original Color

29.4460, 0.2080, 0.1933

Protanomaly

29.3639, 0.2106, 0.1936

Deuteranomaly

29.4862, 0.2046, 0.1956

Tritanomaly

29.1087, 0.2215, 0.2574

Monochromacy



Original Color

29.4460, 0.2080, 0.1933

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.3758, 0.2637, 0.2708

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4460, 0.2080, 0.1933 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(97, 145, 246)` looks like.

```
.text, #text, p{  
    color:rgb(97, 145, 246)  
}
```

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(97, 145, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 145, 246) }
```

Border

The CSS property to change the border of an element to Yxy 29.4460, 0.2080, 0.1933 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(97, 145, 246) }
```

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

```
.border{ border-color:rgb(97, 145, 246) }
```

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

Here you see how a box with a 4 pixel rgb(97, 145, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 145, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 145, 246);  
box-shadow:4px 4px 4px 4px rgb(97, 145,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4460, 0.2080, 0.1933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 145, 246) }
```

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

```
.background{ background-color: rgb(97, 145,  
246) }
```

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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