

Converting Colors

$Y_{xy}(29.7743, 0.2269, 0.1902)$

Have a look what the booklet for
Yxy(29.7743, 0.2269, 0.1902)
contains.

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Color

Yxy(29.8991, 0.2271, 0.1910)

Conversions

Conversions Part 1

Format	Color
Hex	868AF6
RGB	134, 138, 246
RGB Percent	53%, 54%, 96%
CMY	0.4747, 0.4588, 0.0353
CMYK	0.46, 0.44, 0.00, 0.04
HSL	238°, 86%, 75%
HSV	238°, 46%, 96%
XYZ	35.5502, 29.8991, 91.0905
YIQ	149.1160, -37.0520, 32.7400

Conversions

Conversions Part 2

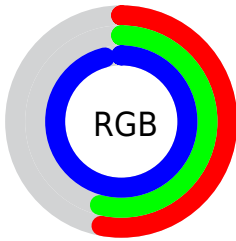
Format	Color
RYB	134, 138, 246
Decimal	8817398
CIELab	61.57, 25.91, -54.72
CIELCh	62, 60.540, 295.339
Yxy	29.8991, 0.2271, 0.1910
Android (android.graphics.Color)	4287007478 (0xFF868AF6)
YUV	149.1160, 47.7638, -13.2567
Hunter-Lab	54.6801, 20.3615, -60.4941

Details

The Yxy color **29.8991, 0.2271, 0.1910** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **84.7921, 0.3820, 0.4374**, and the grayscale version is **29.9117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6881, 0.2700, 0.2574**, and **12.1901, 0.2020, 0.1573** is the 20% darker color. If you saturate the color by 10%, you get **22.0312, 0.2060, 0.1563**, and if you desaturate by 10%, it is **39.7242, 0.2484, 0.2257**.

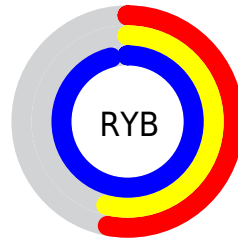
Distribution



Red (53%)

Green (54%)

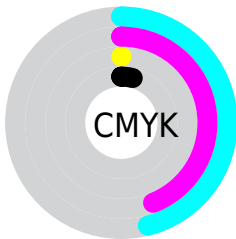
Blue (96%)



Red (53%)

Yellow (54%)

Blue (96%)

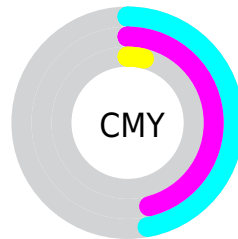


Cyan (46%)

Magenta (44%)

Yellow (0%)

Black (4%)



Cyan (47%)


Magenta (46%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8991, 0.2271, 0.1910 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 29.8991, 0.2271, 0.1910 by changing the saturation by 10% instead.


 29.8991, 0.2271,
0.1910


 29.8991, 0.2271,
0.1910


301.4339, 0.2717,
0.2572


 19.7620, 0.2159,
0.1759


 59.5026, 0.2434,
0.2141

 12.2222, 0.2018,
0.1576


 79.7378, 0.2495,
0.2230

 6.8952, 0.1835,
0.1351


 104.1078, 0.2547,
0.2307

 3.3966, 0.1592,
0.1073

132.9970, 0.2591,
0.2374

 1.3421, 0.1267,
0.0738

166.7898, 0.2629,
0.2433

 0.1735, 0.0855,
0.0186

205.8706, 0.2662,

 0.0000, 0.0000,

0.2485

0.0000

250.6238, 0.2691,
0.2531

■ 29.8991, 0.2271,
0.1910

■ 29.8991, 0.2271,
0.1910

■ 22.0312, 0.2060,
0.1563

■ 39.7242, 0.2484,
0.2257

■ 15.9867, 0.1865,
0.1239

■ 51.6220, 0.2688,
0.2586

■ 11.6198, 0.1702,
0.0964

■ 65.7030, 0.2875,
0.2887

■ 8.7614, 0.1585,
0.0762

■ 82.0687, 0.3043,
0.3156

■ 7.2064, 0.1520,
0.0644

■ 99.4342, 0.3179,
0.3376

■ 6.8472, 0.1505,
0.0616

Harmonies

Analogous

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



29.8991, 0.1736, 0.1910



29.8991, 0.2271, 0.1910



29.8991, 0.3129, 0.2171

Triad

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



29.8991, 0.2271, 0.1910



29.8991, 0.5012, 0.3930



29.8991, 0.2096, 0.4006

Complementary

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



29.8991, 0.2271, 0.1910



84.7921, 0.3820, 0.4374

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.



29.8991, 0.2884, 0.4922



29.8991, 0.2271, 0.1910



29.8991, 0.4570, 0.4602

Square

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



29.8991, 0.2271, 0.1910



29.8991, 0.4881, 0.3259



29.8991, 0.3786, 0.5074



29.8991, 0.1631, 0.2934

Rectangle

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



29.8991, 0.2271, 0.1910



29.8991, 0.3809, 0.2469



29.8991, 0.3786, 0.5074



29.8991, 0.2330, 0.4368

Sweetspot

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



29.9001, 0.2271, 0.1910



73.8236, 0.2902, 0.2930



77.2958, 0.2542, 0.3354



15.0328, 0.2863, 0.2869



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.



29.9001, 0.2271, 0.1910



24.2376, 0.2069, 0.1578



33.9317, 0.2643, 0.1992



16.0227, 0.2979, 0.3054



3.6976, 0.1506, 0.0622



0.3582, 0.1522, 0.0679

Inverse Universe

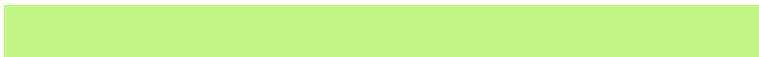
The Inverse Universe completely reimagines the original color for something new.



38.4692, 0.4318, 0.3250



34.8162, 0.4727, 0.3245



79.3158, 0.3445, 0.4560



16.4922, 0.3288, 0.3282



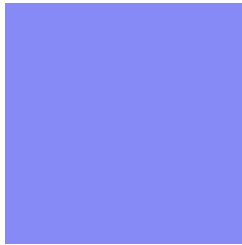
10.4726, 0.6363, 0.3279



0.9238, 0.6268, 0.3227

Previews

White Background



This preview shows how the Yxy color 29.8991, 0.2271, 0.1910 looks on a white background.

Color Contrast Check

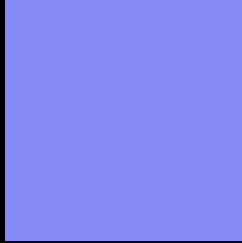
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8991, 0.2271, 0.1910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

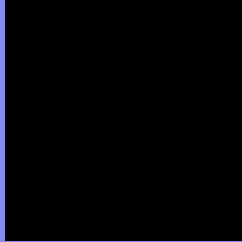
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8991, 0.2271, 0.1910

Background



This preview shows how black text looks on a background with the Yxy color 29.8991, 0.2271, 0.1910.



This preview shows how white text looks on a background with the Yxy color 29.8991, 0.2271, 0.1910.

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

29.8991, 0.2271, 0.1910

Protanopia

30.1039, 0.2081, 0.1888

Deuteranopia

30.0407, 0.2064, 0.2003



Tritanopia

29.7146, 0.2636, 0.3075

Trichromacy



Original Color

29.8991, 0.2271, 0.1910

Protanomaly

29.8255, 0.2142, 0.1886

Deuteranomaly

29.7857, 0.2128, 0.1963

Tritanomaly

29.4735, 0.2489, 0.2578

Monochromacy



Original Color

29.8991, 0.2271, 0.1910

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.6408, 0.2768, 0.2710

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8991, 0.2271, 0.1910 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(134, 138, 246)` looks like.

```
.text, #text, p{  
    color:rgb(134, 138, 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(134, 138, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 138, 246) }
```

Border

The CSS property to change the border of an element to Yxy 29.8991, 0.2271, 0.1910 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(134, 138, 246) }
```

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

```
.border{ border-color:rgb(134, 138, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 138, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 138, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 138, 246);  
box-shadow:4px 4px 4px 4px rgb(134, 138,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8991, 0.2271, 0.1910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 138, 246) }
```

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

```
.background{ background-color: rgb(134,  
138, 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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