

Converting Colors

$Y_{xy}(29.8399, 0.2222, 0.1983)$

Have a look what the booklet for
Yxy(29.8399, 0.2222, 0.1983)
contains.

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Color

Yxy(29.7618, 0.2223, 0.1979)

Conversions

Conversions Part 1

Format	Color
Hex	798EF1
RGB	121, 142, 241
RGB Percent	47%, 56%, 95%
CMY	0.5256, 0.4431, 0.0549
CMYK	0.50, 0.41, 0.00, 0.05
HSL	229°, 81%, 71%
HSV	229°, 50%, 95%
XYZ	33.4313, 29.7618, 87.1950
YIQ	147.0070, -44.2950, 26.3370

Conversions

Conversions Part 2

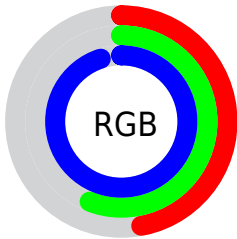
Format	Color
R _Y B	121, 139, 241
Decimal	7966449
CIE Lab	61.45, 19.12, -52.20
CIE LCh	61, 55.586, 290.116
Yxy	29.7618, 0.2223, 0.1979
Android (android.graphics.Color)	4286156529 (0xFF798EF1)
YUV	147.0070, 46.3385, -22.8081
Hunter-Lab	54.5544, 13.9158, -56.5760

Details

The Yxy color **29.7618, 0.2223, 0.1979** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **71.2436, 0.3959, 0.4319**, and the grayscale version is **28.9984, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8339, 0.2619, 0.2604**, and **12.1071, 0.1961, 0.1649** is the 20% darker color. If you saturate the color by 10%, you get **22.8373, 0.2030, 0.1670**, and if you desaturate by 10%, it is **38.1776, 0.2422, 0.2285**.

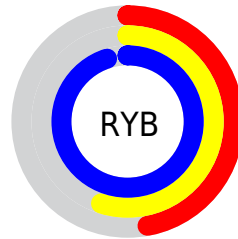
Distribution



Red (47%)

Green (56%)

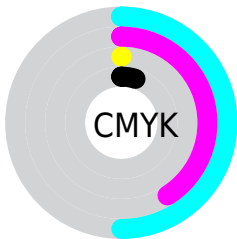
Blue (95%)



Red (47%)

Yellow (55%)

Blue (95%)

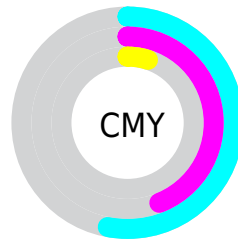


Cyan (50%)

Magenta (41%)

Yellow (0%)

Black (5%)



Cyan (53%)


Magenta (44%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7618, 0.2223, 0.1979 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 29.7618, 0.2223, 0.1979 by changing the saturation by 10% instead.


 29.7618, 0.2223,
0.1979


 29.7618, 0.2223,
0.1979


300.7926, 0.2691,
0.2617


 19.6579, 0.2106,
0.1831


 59.2853, 0.2394,
0.2204

 12.1466, 0.1959,
0.1649


 79.4736, 0.2458,
0.2290

 6.8436, 0.1768,
0.1423


 103.7922, 0.2512,
0.2365

 3.3645, 0.1516,
0.1140

132.6254, 0.2558,
0.2429

 1.3248, 0.1181,
0.0793

166.3576, 0.2598,
0.2485

 0.1603, 0.0740,
0.0192

205.3733, 0.2633,

 0.0000, 0.0000,

0.2535

0.0000

250.0568, 0.2664,
0.2578

■ 29.7618, 0.2223,
0.1979

■ 29.7618, 0.2223,
0.1979

■ 22.8373, 0.2030,
0.1670

■ 38.1776, 0.2422,
0.2285

■ 17.3121, 0.1856,
0.1374

■ 48.1631, 0.2617,
0.2575

■ 13.0881, 0.1711,
0.1110

■ 59.7949, 0.2803,
0.2842

■ 10.0526, 0.1605,
0.0895

■ 73.1435, 0.2974,
0.3082

■ 8.0547, 0.1540,
0.0741

■ 88.2751, 0.3130,
0.3294

■ 8.0232, 0.1539,
0.0739

■ 99.1304, 0.3209,
0.3425

Harmonies

Analogous

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



29.7618, 0.1769, 0.2031



29.7618, 0.2223, 0.1979



29.7618, 0.2978, 0.2185

Triad

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



29.7618, 0.2223, 0.1979



29.7618, 0.4896, 0.3800



29.7618, 0.2288, 0.4120

Complementary

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



29.7618, 0.2223, 0.1979



71.2436, 0.3959, 0.4319

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.



29.7618, 0.3062, 0.4855



29.7618, 0.2223, 0.1979



29.7618, 0.4581, 0.4429

Square

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



29.7618, 0.2223, 0.1979



29.7618, 0.4659, 0.3170



29.7618, 0.3899, 0.4896



29.7618, 0.1785, 0.3128

Rectangle

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



29.7618, 0.2223, 0.1979



29.7618, 0.3595, 0.2445



29.7618, 0.3899, 0.4896



29.7618, 0.2524, 0.4427

Sweetspot

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



29.7628, 0.2223, 0.1979



74.9516, 0.2886, 0.2959



72.0832, 0.2575, 0.3562



15.3677, 0.2850, 0.2908



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.



29.7628, 0.2223, 0.1979



25.6967, 0.2023, 0.1658



27.3884, 0.2452, 0.1814



15.6765, 0.2980, 0.3089



4.4866, 0.1544, 0.0759



0.4999, 0.1604, 0.0975

Inverse Universe

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



34.3217, 0.4285, 0.3064



32.3428, 0.4685, 0.3034



76.9806, 0.3579, 0.4629



15.8041, 0.3266, 0.3249



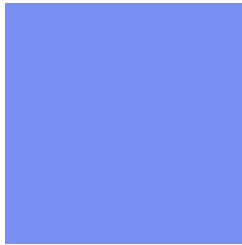
10.2463, 0.6136, 0.3154



0.8652, 0.5797, 0.2967

Previews

White Background



This preview shows how the Yxy color 29.7618, 0.2223, 0.1979 looks on a white background.

Color Contrast Check

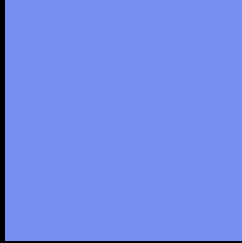
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7618, 0.2223, 0.1979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

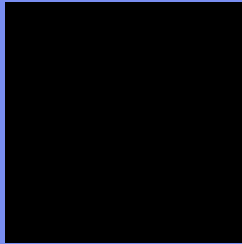
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7618, 0.2223, 0.1979

Background



This preview shows how black text looks on a background with the Yxy color 29.7618, 0.2223, 0.1979.



This preview shows how white text looks on a background with the Yxy color 29.7618, 0.2223, 0.1979.

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

29.7618, 0.2223, 0.1979

Protanopia

29.9100, 0.2148, 0.1977

Deuteranopia

29.7982, 0.2095, 0.2024



Tritanopia

29.6689, 0.2532, 0.3071

Trichromacy



Original Color

29.7618, 0.2223, 0.1979

Protanomaly

29.8680, 0.2177, 0.1982

Deuteranomaly

29.7326, 0.2137, 0.2011

Tritanomaly

29.5678, 0.2405, 0.2609

Monochromacy



Original Color

29.7618, 0.2223, 0.1979

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.9903, 0.2738, 0.2742

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7618, 0.2223, 0.1979 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(121, 142, 241)` looks like.

```
.text, #text, p{  
    color:rgb(121, 142, 241)  
}
```

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(121, 142, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 142, 241) }
```

Border

The CSS property to change the border of an element to Yxy 29.7618, 0.2223, 0.1979 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(121, 142, 241) }
```

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

```
.border{ border-color:rgb(121, 142, 241) }
```

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

Here you see how a box with a 4 pixel rgb(121, 142, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 142, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 142, 241);  
box-shadow:4px 4px 4px 4px rgb(121, 142,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7618, 0.2223, 0.1979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 142, 241) }
```

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

```
.background{ background-color: rgb(121,  
142, 241) }
```

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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