

Converting Colors

$Y_{xy}(28.7309, 0.2229, 0.1881)$

Have a look what the booklet for
Yxy(28.7309, 0.2229, 0.1881)
contains.

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Color

Yxy(28.7129, 0.2226, 0.1878)

Conversions

Conversions Part 1

Format	Color
Hex	7F88F5
RGB	127, 136, 245
RGB Percent	50%, 53%, 96%
CMY	0.5022, 0.4666, 0.0392
CMYK	0.48, 0.44, 0.00, 0.04
HSL	235°, 86%, 73%
HSV	235°, 48%, 96%
XYZ	34.0335, 28.7129, 90.1444
YIQ	145.7350, -40.3530, 31.9910

Conversions

Conversions Part 2

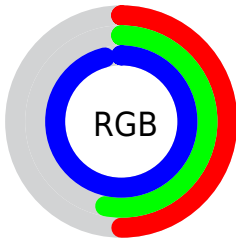
Format	Color
R_{YB}	127, 135, 245
Decimal	8358133
CIE _{Lab}	60.53, 25.19, -55.85
CIE _{LCh}	61, 61.272, 294.278
Yxy	28.7129, 0.2226, 0.1878
Android (android.graphics.Color)	4286548213 (0xFF7F88F5)
YUV	145.7350, 48.9376, -16.4306
Hunter-Lab	53.5844, 19.5994, -62.2338

Details

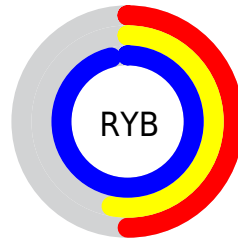
The Yxy color **28.7129, 0.2226, 0.1878** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **80.9082, 0.3878, 0.4390**, and the grayscale version is **28.4368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9295, 0.2651, 0.2541**, and **11.6405, 0.1961, 0.1542** is the 20% darker color. If you saturate the color by 10%, you get **21.3427, 0.2021, 0.1543**, and if you desaturate by 10%, it is **37.8868, 0.2436, 0.2215**.

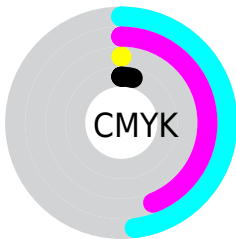
Distribution



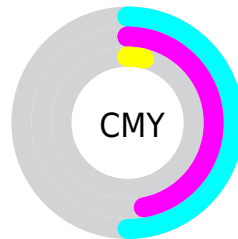
- Red (50%)
- Green (53%)
- Blue (96%)



- Red (50%)
- Yellow (53%)
- Blue (96%)



- Cyan (48%)
- Magenta (44%)
- Yellow (0%)
- Black (4%)





- Cyan (50%)
- Magenta (47%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7129, 0.2226, 0.1878 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 28.7129, 0.2226, 0.1878 by changing the saturation by 10% instead.


 28.7129, 0.2226,
0.1878


 28.7129, 0.2226,
0.1878


295.8579, 0.2696,
0.2558

 18.8637, 0.2109,
0.1723


 57.6206, 0.2398,
0.2115

 11.5719, 0.1960,
0.1535


 77.4480, 0.2463,
0.2207

 6.4529, 0.1767,
0.1304


 101.3702, 0.2517,
0.2286

 3.1224, 0.1514,
0.1021

129.7717, 0.2563,
0.2355

 1.1959, 0.1178,
0.0682

163.0368, 0.2603,
0.2415

 0.0584, 0.0754,
0.0066

201.5499, 0.2638,

 0.0000, 0.0000,

0.2468

0.0000

245.6955, 0.2669,
0.2515

■ 28.7129, 0.2226,
0.1878

■ 28.7129, 0.2226,
0.1878

■ 21.3427, 0.2021,
0.1543

■ 37.8868, 0.2436,
0.2215

■ 15.6543, 0.1835,
0.1231

■ 48.9696, 0.2639,
0.2536

■ 11.5151, 0.1683,
0.0967

■ 62.0621, 0.2828,
0.2832

■ 8.7714, 0.1576,
0.0770

■ 77.2568, 0.3000,
0.3097

■ 7.2313, 0.1518,
0.0652

■ 94.6408, 0.3154,
0.3330

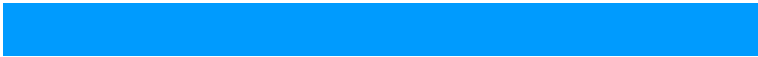
■ 7.0526, 0.1511,
0.0637

■ 99.3734, 0.3185,
0.3386

Harmonies

Analogous

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



28.7129, 0.1695, 0.1886



28.7129, 0.2226, 0.1878



28.7129, 0.3092, 0.2135

Triad

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



28.7129, 0.2226, 0.1878



28.7129, 0.5061, 0.3910



28.7129, 0.2093, 0.4066

Complementary

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



28.7129, 0.2226, 0.1878



80.9082, 0.3878, 0.4390

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.



28.7129, 0.2905, 0.4991



28.7129, 0.2226, 0.1878



28.7129, 0.4620, 0.4600

Square

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



28.7129, 0.2226, 0.1878



28.7129, 0.4908, 0.3230



28.7129, 0.3825, 0.5108



28.7129, 0.1610, 0.2955

Rectangle

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



28.7129, 0.2226, 0.1878



28.7129, 0.3787, 0.2433



28.7129, 0.3825, 0.5108



28.7129, 0.2336, 0.4437

Sweetspot

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



28.7139, 0.2226, 0.1878



74.5907, 0.2902, 0.2946



75.8293, 0.2534, 0.3406



15.2164, 0.2864, 0.2887



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.



28.7139, 0.2226, 0.1878



23.4158, 0.2022, 0.1545



31.0064, 0.2574, 0.1900



16.1310, 0.2979, 0.3064



3.8735, 0.1514, 0.0649



0.4099, 0.1546, 0.0764

Inverse Universe

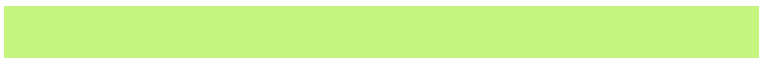
The Inverse Universe completely reimagines the original color for something new.



36.3589, 0.4368, 0.3197



33.1151, 0.4790, 0.3185



78.5555, 0.3485, 0.4625



16.5031, 0.3282, 0.3272



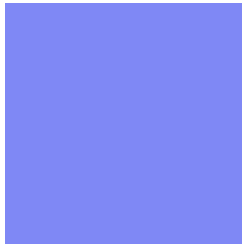
10.4904, 0.6318, 0.3254



0.9290, 0.6128, 0.3149

Previews

White Background



This preview shows how the Yxy color 28.7129, 0.2226, 0.1878 looks on a white background.

Color Contrast Check

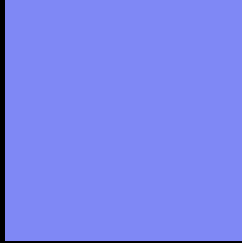
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7129, 0.2226, 0.1878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

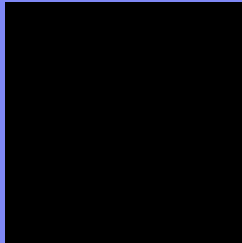
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7129, 0.2226, 0.1878

Background



This preview shows how black text looks on a background with the Yxy color 28.7129, 0.2226, 0.1878.



This preview shows how white text looks on a background with the Yxy color 28.7129, 0.2226, 0.1878.

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

28.7129, 0.2226, 0.1878

Protanopia

28.9077, 0.2057, 0.1851

Deuteranopia

29.0878, 0.2028, 0.1966



Tritanopia

28.8074, 0.2588, 0.3087

Trichromacy



Original Color

28.7129, 0.2226, 0.1878

Protanomaly

28.8469, 0.2114, 0.1860

Deuteranomaly

28.7732, 0.2087, 0.1925

Tritanomaly

28.2523, 0.2432, 0.2548

Monochromacy



Original Color

28.7129, 0.2226, 0.1878

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.2124, 0.2735, 0.2683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7129, 0.2226, 0.1878 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(127, 136, 245)` looks like.

```
.text, #text, p{  
    color:rgb(127, 136, 245)  
}
```

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(127, 136, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 136, 245) }
```

Border

The CSS property to change the border of an element to Yxy 28.7129, 0.2226, 0.1878 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(127, 136, 245) }
```

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

```
.border{ border-color:rgb(127, 136, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 136, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 136, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 136, 245);  
box-shadow:4px 4px 4px 4px rgb(127, 136,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7129, 0.2226, 0.1878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 136, 245) }
```

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

```
.background{ background-color: rgb(127,  
136, 245) }
```

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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