

Converting Colors

$Y_{xy}(28.8302, 0.2230, 0.1806)$

Have a look what the booklet for
Yxy(28.8302, 0.2230, 0.1806)
contains.

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Color

Yxy(28.7266, 0.2229, 0.1805)

Conversions

Conversions Part 1

Format	Color
Hex	8585FB
RGB	133, 133, 251
RGB Percent	52%, 52%, 98%
CMY	0.4784, 0.4784, 0.0156
CMYK	0.47, 0.47, 0.00, 0.02
HSL	240°, 94%, 75%
HSV	240°, 47%, 98%
XYZ	35.4746, 28.7266, 94.9490
YIQ	146.4520, -37.8780, 36.6980

Conversions

Conversions Part 2

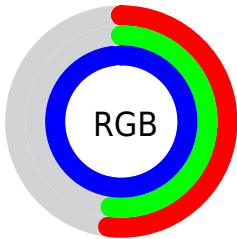
Format	Color
RYB	133, 133, 251
Decimal	8750587
CIELab	60.54, 30.08, -59.11
CIElCh	61, 66.326, 296.972
Yxy	28.7266, 0.2229, 0.1805
Android (android.graphics.Color)	4286940667 (0xFF8585FB)
YUV	146.4520, 51.5422, -11.7974
Hunter-Lab	53.5972, 24.3493, -67.5159

Details

The Yxy color **28.7266, 0.2229, 0.1805** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **91.2024, 0.3823, 0.4441**, and the grayscale version is **28.7367, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.5443, 0.2695, 0.2516**, and **11.6522, 0.1963, 0.1461** is the 20% darker color. If you saturate the color by 10%, you get **20.8517, 0.2016, 0.1452**, and if you desaturate by 10%, it is **38.7333, 0.2446, 0.2164**.

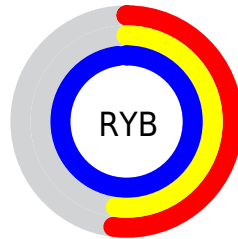
Distribution



Red (52%)

Green (52%)

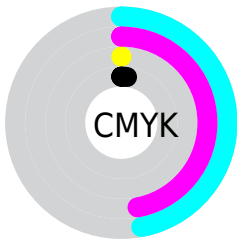
Blue (98%)



Red (52%)

Yellow (52%)

Blue (98%)

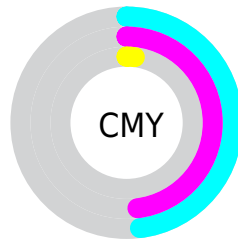


Cyan (47%)

Magenta (47%)

Yellow (0%)

Black (2%)



Cyan (48%)


Magenta (48%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7266, 0.2229, 0.1805 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 28.7266, 0.2229, 0.1805 by changing the saturation by 10% instead.


 28.7266, 0.2229,
0.1805


 28.7266, 0.2229,
0.1805


295.9228, 0.2698,
0.2510


 18.8741, 0.2112,
0.1647


 57.6424, 0.2401,
0.2049

 11.5793, 0.1964,
0.1457


 77.4745, 0.2465,
0.2144

 6.4579, 0.1774,
0.1227


 101.4020, 0.2519,
0.2226

 3.1255, 0.1524,
0.0949

129.8091, 0.2566,
0.2298

 1.1976, 0.1195,
0.0624

163.0804, 0.2606,
0.2361

 0.0597, 0.0790,
0.0060

201.6001, 0.2641,

 0.0000, 0.0000,

0.2416

0.0000

245.7528, 0.2671,
0.2466

■ 28.7266, 0.2229,
0.1805

■ 28.7266, 0.2229,
0.1805

■ 20.8517, 0.2016,
0.1452

■ 38.7333, 0.2446,
0.2164

■ 14.9515, 0.1823,
0.1134

■ 51.0079, 0.2655,
0.2510

■ 10.8521, 0.1668,
0.0877

■ 65.6786, 0.2847,
0.2827

■ 8.3480, 0.1562,
0.0703

■ 82.8631, 0.3019,
0.3112

■ 7.1768, 0.1510,
0.0616

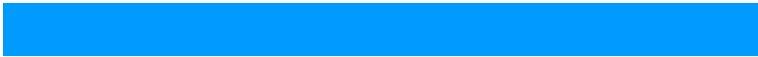
■ 99.7456, 0.3150,
0.3328

■ 6.9658, 0.1500,
0.0600

Harmonies

Analogous

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



28.7266, 0.1641, 0.1783



28.7266, 0.2229, 0.1805



28.7266, 0.3181, 0.2097

Triad

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



28.7266, 0.2229, 0.1805



28.7266, 0.5174, 0.3985



28.7266, 0.1949, 0.4017

Complementary

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



28.7266, 0.2229, 0.1805



91.2024, 0.3823, 0.4441

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.



28.7266, 0.2783, 0.5094



28.7266, 0.2229, 0.1805



28.7266, 0.4637, 0.4727

Square

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



28.7266, 0.2229, 0.1805



28.7266, 0.5094, 0.3269



28.7266, 0.3762, 0.5272



28.7266, 0.1484, 0.2823

Rectangle

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



28.7266, 0.2229, 0.1805



28.7266, 0.3938, 0.2423



28.7266, 0.3762, 0.5272



28.7266, 0.2193, 0.4438

Sweetspot

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



28.7276, 0.2229, 0.1805



73.1469, 0.2901, 0.2917



80.9522, 0.2502, 0.3288



14.8710, 0.2863, 0.2853



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.



28.7276, 0.2229, 0.1805



22.3113, 0.2036, 0.1486



34.9472, 0.2671, 0.1963



16.6431, 0.2979, 0.3045



3.6612, 0.1500, 0.0600



0.3391, 0.1500, 0.0600

Inverse Universe

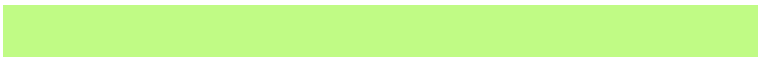
The Inverse Universe completely reimagines the original color for something new.



44.2505, 0.3181, 0.2146



40.1116, 0.3189, 0.1965



81.9006, 0.3413, 0.4622



17.5246, 0.3138, 0.3056



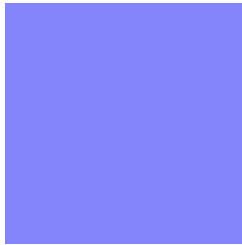
14.4408, 0.3209, 0.1542



1.3375, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 28.7266, 0.2229, 0.1805 looks on a white background.

Color Contrast Check

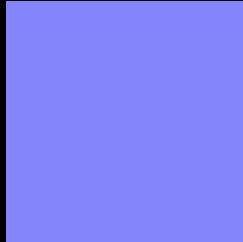
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7266, 0.2229, 0.1805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

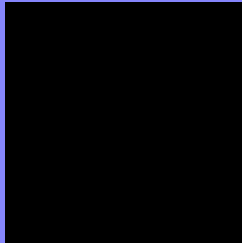
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7266, 0.2229, 0.1805

Background



This preview shows how black text looks on a background with the Yxy color 28.7266, 0.2229, 0.1805.



This preview shows how white text looks on a background with the Yxy color 28.7266, 0.2229, 0.1805.

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

28.7266, 0.2229, 0.1805

Protanopia

28.9457, 0.2024, 0.1812

Deuteranopia

28.9843, 0.1975, 0.1910



Tritanopia

28.7503, 0.2631, 0.3088

Trichromacy



Original Color

28.7266, 0.2229, 0.1805

Protanomaly

28.8091, 0.2086, 0.1804

Deuteranomaly

28.5652, 0.2046, 0.1862

Tritanomaly

28.3948, 0.2467, 0.2527

Monochromacy



Original Color

28.7266, 0.2229, 0.1805

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.1732, 0.2736, 0.2643

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7266, 0.2229, 0.1805 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(133, 133, 251)` looks like.

```
.text, #text, p{  
    color:rgb(133, 133, 251)  
}
```

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(133, 133, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 133, 251) }
```

Border

The CSS property to change the border of an element to Yxy 28.7266, 0.2229, 0.1805 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(133, 133, 251) }
```

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

```
.border{ border-color:rgb(133, 133, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 133, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 133, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 133, 251);  
box-shadow:4px 4px 4px 4px rgb(133, 133,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7266, 0.2229, 0.1805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 133, 251) }
```

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

```
.background{ background-color: rgb(133,  
133, 251) }
```

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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