

Converting Colors

$Y_{xy}(27.2357, 0.2194, 0.1697)$

Have a look what the booklet for
Yxy(27.2357, 0.2194, 0.1697)
contains.

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Color

Yxy(27.1283, 0.2195, 0.1692)

Conversions

Conversions Part 1

Format	Color
Hex	857EFF
RGB	133, 126, 255
RGB Percent	52%, 49%, 100%
CMY	0.4782, 0.5060, 0.0000
CMYK	0.48, 0.51, 0.00, 0.00
HSL	243°, 100%, 75%
HSV	243°, 51%, 100%
XYZ	35.1930, 27.1283, 98.0114
YIQ	142.7990, -37.2370, 41.6030

Conversions

Conversions Part 2

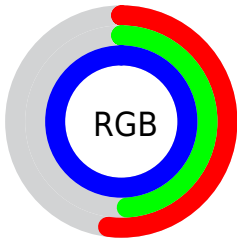
Format	Color
R _Y B	133, 126, 255
Decimal	8748799
CIE Lab	59.09, 35.36, -63.64
CIE LCh	59, 72.804, 299.061
Yxy	27.1283, 0.2195, 0.1692
Android (android.graphics.Color)	4286938879 (0xFF857EFF)
YUV	142.7990, 55.3151, -8.5937
Hunter-Lab	52.0848, 29.4616, -75.1104

Details

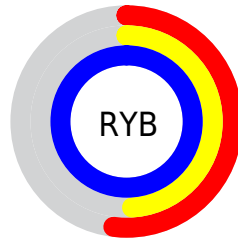
The Yxy color **27.1283, 0.2195, 0.1692** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **92.9682, 0.3820, 0.4541**, and the grayscale version is **27.1724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6667, 0.2688, 0.2436**, and **10.7167, 0.1921, 0.1336** is the 20% darker color. If you saturate the color by 10%, you get **19.6748, 0.1990, 0.1352**, and if you desaturate by 10%, it is **36.6917, 0.2406, 0.2047**.

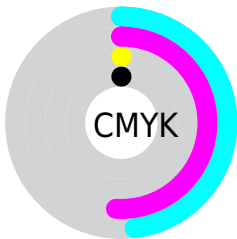
Distribution



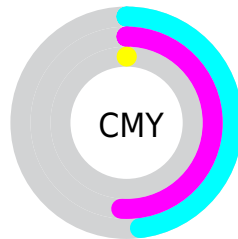
- Red (52%)
- Green (49%)
- Blue (100%)



- Red (52%)
- Yellow (49%)
- Blue (100%)



- Cyan (48%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.1283, 0.2195, 0.1692 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 27.1283, 0.2195, 0.1692 by changing the saturation by 10% instead.


 27.1283, 0.2195,
0.1692


 27.1283, 0.2195,
0.1692


288.2778, 0.2685,
0.2443

 17.6696, 0.2073,
0.1527


 55.0897, 0.2375,
0.1949

 10.7130, 0.1919,
0.1331


 74.3612, 0.2442,
0.2050

 5.8742, 0.1721,
0.1097


 97.6723, 0.2499,
0.2138

 2.7687, 0.1464,
0.0820

125.4076, 0.2547,
0.2215

 1.0122, 0.1130,
0.0509

157.9514, 0.2589,
0.2282

 0.0000, 0.0726,
0.0000

195.6881, 0.2625,

 0.0000, 0.0000,

0.2342

0.0000

239.0021, 0.2657,
0.2395

■ 27.1283, 0.2195,
0.1692

■ 27.1283, 0.2195,
0.1692

■ 19.6748, 0.1990,
0.1352

■ 36.6917, 0.2406,
0.2047

■ 14.1737, 0.1806,
0.1054

■ 48.5111, 0.2611,
0.2395

■ 10.4412, 0.1659,
0.0822

■ 62.7166, 0.2800,
0.2720

■ 8.2593, 0.1560,
0.0674

■ 79.4293, 0.2970,
0.3014

■ 7.3133, 0.1512,
0.0606

■ 98.7618, 0.3119,
0.3276

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



27.1283, 0.1543, 0.1642



27.1283, 0.2195, 0.1692



27.1283, 0.3262, 0.2022

Triad

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



27.1283, 0.2195, 0.1692



27.1283, 0.5341, 0.4047



27.1283, 0.1769, 0.3997

Complementary

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



27.1283, 0.2195, 0.1692



92.9682, 0.3820, 0.4541

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.



27.1283, 0.2643, 0.5289



27.1283, 0.2195, 0.1692



27.1283, 0.4683, 0.4872

Square

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



27.1283, 0.2195, 0.1692



27.1283, 0.5345, 0.3282



27.1283, 0.3701, 0.5510



27.1283, 0.1318, 0.2674

Rectangle

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



27.1283, 0.2195, 0.1692



27.1283, 0.4113, 0.2378



27.1283, 0.3701, 0.5510



27.1283, 0.2020, 0.4493

Sweetspot

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



27.1275, 0.2195, 0.1692



71.7534, 0.2897, 0.2889



79.1269, 0.2453, 0.3214



14.6096, 0.2861, 0.2826



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.



27.1275, 0.2195, 0.1692



19.4162, 0.1982, 0.1339



33.9987, 0.2679, 0.1877



17.4253, 0.2987, 0.3045



3.8403, 0.1516, 0.0609



0.3899, 0.1554, 0.0630

Inverse Universe

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



42.9489, 0.3247, 0.2125



36.9518, 0.3273, 0.1937



83.2209, 0.3385, 0.4750



18.2822, 0.3147, 0.3068



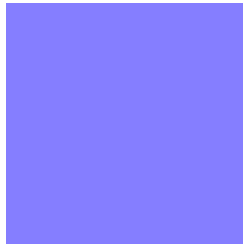
14.4352, 0.3352, 0.1620



1.4106, 0.3334, 0.1610

Previews

White Background



This preview shows how the Yxy color 27.1283, 0.2195, 0.1692 looks on a white background.

Color Contrast Check

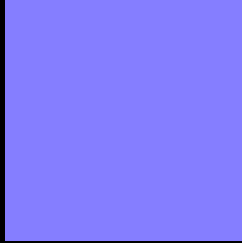
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1283, 0.2195, 0.1692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

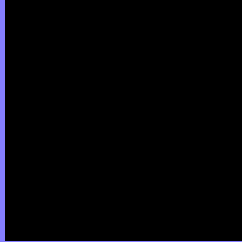
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1283, 0.2195, 0.1692

Background



This preview shows how black text looks on a background with the Yxy color 27.1283, 0.2195, 0.1692.



This preview shows how white text looks on a background with the Yxy color 27.1283, 0.2195, 0.1692.

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

27.1283, 0.2195, 0.1692

Protanopia

27.3283, 0.1974, 0.1747

Deuteranopia

27.4470, 0.1883, 0.1818



Tritanopia

27.1323, 0.2628, 0.3083

Trichromacy



Original Color

27.1283, 0.2195, 0.1692

Protanomaly

27.0950, 0.2038, 0.1723

Deuteranomaly

26.4561, 0.1946, 0.1745

Tritanomaly

26.7029, 0.2446, 0.2457

Monochromacy



Original Color

27.1283, 0.2195, 0.1692

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

26.8410, 0.2713, 0.2578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1283, 0.2195, 0.1692 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, 126, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 126, 255)  
}
```

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, 126, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 126, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.1283, 0.2195, 0.1692 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, 126, 255) }
```

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

```
.border{ border-color:rgb(133, 126, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 126, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 126, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 126, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 126,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1283, 0.2195, 0.1692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 126, 255) }
```

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

```
.background{ background-color: rgb(133,  
126, 255) }
```

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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