

Converting Colors

$Y_{xy}(27.2852, 0.2270, 0.1927)$

Have a look what the booklet for
Yxy(27.2852, 0.2270, 0.1927)
contains.

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Color

Yxy(27.2852, 0.2270, 0.1927)

Conversions

Conversions Part 1

Format	Color
Hex	7F85EB
RGB	127, 133, 235
RGB Percent	50%, 52%, 92%
CMY	0.5017, 0.4785, 0.0784
CMYK	0.46, 0.43, 0.00, 0.08
HSL	237°, 73%, 71%
HSV	237°, 46%, 92%
XYZ	32.1419, 27.2852, 82.1671
YIQ	142.8340, -36.3180, 30.4500

Conversions

Conversions Part 2

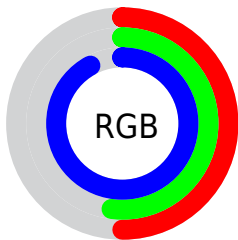
Format	Color
RYB	127, 133, 235
Decimal	8357355
CIELab	59.24, 24.05, -52.37
CIElCh	59, 57.625, 294.667
Yxy	27.2852, 0.2270, 0.1927
Android (android.graphics.Color)	4286547435 (0xFF7F85EB)
YUV	142.8340, 45.4378, -13.8864
Hunter-Lab	52.2352, 18.4246, -56.6997

Details

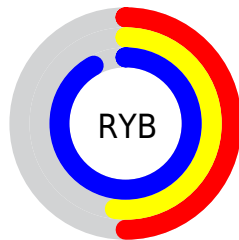
The Yxy color **27.2852, 0.2270, 0.1927** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **75.2789, 0.3833, 0.4362**, and the grayscale version is **27.2295, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.5282, 0.2640, 0.2505**, and **10.8605, 0.2005, 0.1582** is the 20% darker color. If you saturate the color by 10%, you get **20.2348, 0.2061, 0.1585**, and if you desaturate by 10%, it is **36.0441, 0.2481, 0.2268**.

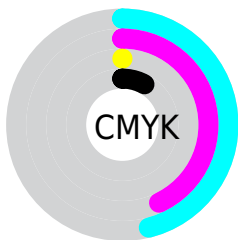
Distribution



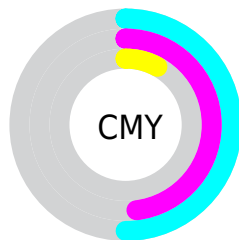
- Red (50%)
- Green (52%)
- Blue (92%)



- Red (50%)
- Yellow (52%)
- Blue (92%)



- Cyan (46%)
- Magenta (43%)
- Yellow (0%)
- Black (8%)



- Cyan (50%)
- Magenta (48%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2852, 0.2270, 0.1927 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 27.2852, 0.2270, 0.1927 by changing the saturation by 10% instead.


 27.2852, 0.2270,
0.1927


 27.2852, 0.2270,
0.1927


289.0354, 0.2723,
0.2593

 17.7875, 0.2154,
0.1772


 55.3412, 0.2438,
0.2162

 10.7976, 0.2007,
0.1582


 74.6683, 0.2500,
0.2252

 5.9309, 0.1813,
0.1346


 98.0407, 0.2552,
0.2330

 2.8031, 0.1554,
0.1052

125.8427, 0.2597,
0.2397

 1.0298, 0.1203,
0.0695

158.4588, 0.2635,
0.2455

 0.0000, 0.0711,
0.0000

196.2733, 0.2668,

 0.0000, 0.0000,

0.2507

0.0000

239.6707, 0.2697,
0.2552

■ 27.2852, 0.2270,
0.1927

■ 27.2852, 0.2270,
0.1927

■ 20.2348, 0.2061,
0.1585

■ 36.0441, 0.2481,
0.2268

■ 14.7785, 0.1868,
0.1264

■ 46.6100, 0.2683,
0.2591

■ 10.7927, 0.1707,
0.0989

■ 59.0774, 0.2869,
0.2886

■ 8.1342, 0.1590,
0.0782

■ 73.5332, 0.3037,
0.3149

■ 6.6308, 0.1523,
0.0656

■ 90.0593, 0.3185,
0.3380

■ 6.2829, 0.1507,
0.0626

■ 98.7780, 0.3244,
0.3483

Harmonies

Analogous

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



27.2852, 0.1749, 0.1934



27.2852, 0.2270, 0.1927



27.2852, 0.3109, 0.2179

Triad

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



27.2852, 0.2270, 0.1927



27.2852, 0.4985, 0.3911



27.2852, 0.2129, 0.4017

Complementary

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



27.2852, 0.2270, 0.1927



75.2789, 0.3833, 0.4362

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.



27.2852, 0.2911, 0.4900



27.2852, 0.2270, 0.1927



27.2852, 0.4564, 0.4572

Square

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



27.2852, 0.2270, 0.1927



27.2852, 0.4839, 0.3249



27.2852, 0.3800, 0.5037



27.2852, 0.1661, 0.2964

Rectangle

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



27.2852, 0.2270, 0.1927



27.2852, 0.3775, 0.2471



27.2852, 0.3800, 0.5037



27.2852, 0.2362, 0.4368

Sweetspot

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



27.2861, 0.2270, 0.1927



74.1754, 0.2902, 0.2937



69.5228, 0.2547, 0.3377



15.1170, 0.2864, 0.2877



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.



27.2861, 0.2270, 0.1927



24.8750, 0.2075, 0.1608



30.1743, 0.2624, 0.1979



14.6814, 0.2980, 0.3060



3.5537, 0.1510, 0.0635



0.3259, 0.1536, 0.0728

Inverse Universe

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



34.5510, 0.4305, 0.3227



34.8806, 0.4695, 0.3219



71.6695, 0.3459, 0.4563



15.0674, 0.3284, 0.3277



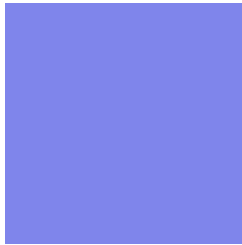
9.8516, 0.6342, 0.3267



0.7783, 0.6186, 0.3181

Previews

White Background



This preview shows how the Yxy color 27.2852, 0.2270, 0.1927 looks on a white background.

Color Contrast Check

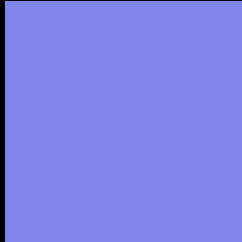
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2852, 0.2270, 0.1927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

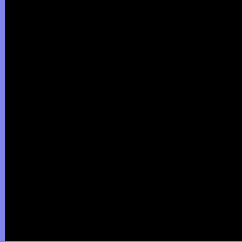
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2852, 0.2270, 0.1927

Background



This preview shows how black text looks on a background with the Yxy color 27.2852, 0.2270, 0.1927.



This preview shows how white text looks on a background with the Yxy color 27.2852, 0.2270, 0.1927.

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

27.2852, 0.2270, 0.1927

Protanopia

27.4688, 0.2092, 0.1899

Deuteranopia

27.5065, 0.2074, 0.2011



Tritanopia

27.1939, 0.2636, 0.3084

Trichromacy



Original Color

27.2852, 0.2270, 0.1927

Protanomaly

27.3745, 0.2148, 0.1907

Deuteranomaly

27.1725, 0.2132, 0.1967

Tritanomaly

26.8532, 0.2482, 0.2580

Monochromacy



Original Color

27.2852, 0.2270, 0.1927

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

26.9182, 0.2763, 0.2715

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2852, 0.2270, 0.1927 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, 133, 235)` looks like.

```
.text, #text, p{  
    color:rgb(127, 133, 235)  
}
```

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, 133, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 133, 235) }
```

Border

The CSS property to change the border of an element to Yxy 27.2852, 0.2270, 0.1927 is called "border". The border property can be set on classes, ids or directly on the HTML element.

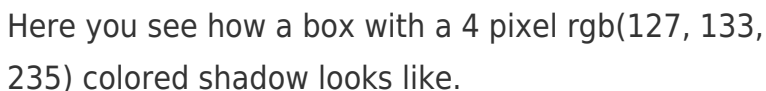
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 133, 235) }
```

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

```
.border{ border-color:rgb(127, 133, 235) }
```

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



Here you see how a box with a 4 pixel `rgb(127, 133, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 133, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 133, 235);  
box-shadow:4px 4px 4px 4px rgb(127, 133,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2852, 0.2270, 0.1927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 133, 235) }
```

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

```
.background{ background-color: rgb(127,  
133, 235) }
```

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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