

Converting Colors

$Y_{xy}(27.6811, 0.2279, 0.1754)$

Have a look what the booklet for
Yxy(27.6811, 0.2279, 0.1754)
contains.

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Color

Yxy(27.5746, 0.2280, 0.1753)

Conversions

Conversions Part 1

Format	Color
Hex	8E7EFA
RGB	142, 126, 250
RGB Percent	56%, 49%, 98%
CMY	0.4433, 0.5058, 0.0197
CMYK	0.43, 0.50, 0.00, 0.02
HSL	248°, 93%, 74%
HSV	248°, 50%, 98%
XYZ	35.8643, 27.5746, 93.8606
YIQ	144.9200, -30.2680, 41.9560

Conversions

Conversions Part 2

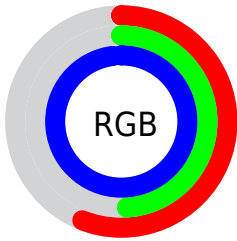
Format	Color
RYB	142, 126, 250
Decimal	9338618
CIELab	59.50, 35.87, -60.17
CIElCh	60, 70.046, 300.800
Yxy	27.5746, 0.2280, 0.1753
Android (android.graphics.Color)	4287528698 (0xFF8E7EFA)
YUV	144.9200, 51.8044, -2.5608
Hunter-Lab	52.5115, 30.0166, -69.2186

Details

The Yxy color **27.5746, 0.2280, 0.1753** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **87.3668, 0.3743, 0.4548**, and the grayscale version is **28.0759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.7396, 0.2745, 0.2449**, and **11.0428, 0.2024, 0.1403** is the 20% darker color. If you saturate the color by 10%, you get **20.2187, 0.2080, 0.1417**, and if you desaturate by 10%, it is **36.9059, 0.2480, 0.2100**.

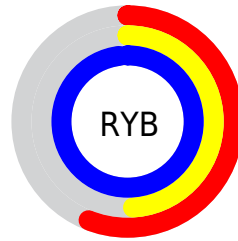
Distribution



Red (56%)

Green (49%)

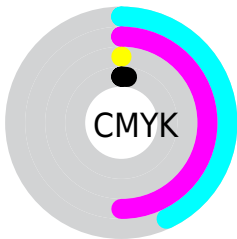
Blue (98%)



Red (56%)

Yellow (49%)

Blue (98%)

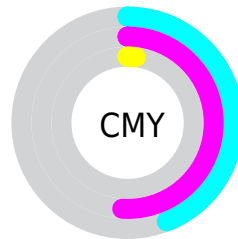


Cyan (43%)

Magenta (50%)

Yellow (0%)

Black (2%)



Cyan (44%)

Magenta (51%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5746, 0.2280, 0.1753 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 27.5746, 0.2280, 0.1753 by changing the saturation by 10% instead.


 27.5746, 0.2280,
0.1753


 27.5746, 0.2280,
0.1753


290.4286, 0.2730,
0.2479

 18.0052, 0.2166,
0.1592


 55.8046, 0.2446,
0.2003

 10.9537, 0.2021,
0.1399


 75.2339, 0.2508,
0.2101

 6.0357, 0.1834,
0.1166


 98.7188, 0.2560,
0.2186

 2.8668, 0.1585,
0.0887

126.6434, 0.2604,
0.2260

 1.0626, 0.1254,
0.0566

159.3924, 0.2642,
0.2325

 0.0000, 0.0844,
0.0000

197.3499, 0.2675,

 0.0000, 0.0000,

0.2382

0.0000

240.9005, 0.2704,
0.2433

■ 27.5746, 0.2280,
0.1753

■ 27.5746, 0.2280,
0.1753

■ 20.2187, 0.2080,
0.1417

■ 36.9059, 0.2480,
0.2100

■ 14.6921, 0.1894,
0.1117

■ 48.3386, 0.2670,
0.2439

■ 10.8328, 0.1736,
0.0876

■ 61.9919, 0.2843,
0.2755

■ 8.4486, 0.1617,
0.0712

■ 77.9749, 0.2997,
0.3043

■ 7.2476, 0.1542,
0.0625

■ 96.3895, 0.3132,
0.3300

■ 7.2107, 0.1540,
0.0622

■ 99.6811, 0.3156,
0.3338

Harmonies

Analogous

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



27.5746, 0.1620, 0.1689



27.5746, 0.2280, 0.1753



27.5746, 0.3330, 0.2090

Triad

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



27.5746, 0.2280, 0.1753



27.5746, 0.5246, 0.4090



27.5746, 0.1786, 0.3887

Complementary

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



27.5746, 0.2280, 0.1753



87.3668, 0.3743, 0.4548

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.



27.5746, 0.2616, 0.5139



27.5746, 0.2280, 0.1753



27.5746, 0.4596, 0.4880

Square

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



27.5746, 0.2280, 0.1753



27.5746, 0.5279, 0.3339



27.5746, 0.3641, 0.5438



27.5746, 0.1364, 0.2649

Rectangle

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



27.5746, 0.2280, 0.1753



27.5746, 0.4143, 0.2446



27.5746, 0.3641, 0.5438



27.5746, 0.2022, 0.4356

Sweetspot

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



27.5755, 0.2280, 0.1753



72.1945, 0.2916, 0.2891



71.0537, 0.2444, 0.3117



14.7141, 0.2883, 0.2829



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.



27.5755, 0.2280, 0.1753



20.8370, 0.2071, 0.1402



34.4493, 0.2762, 0.1934



16.7500, 0.2999, 0.3046



3.8586, 0.1548, 0.0626



0.3899, 0.1630, 0.0672

Inverse Universe

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



41.1904, 0.3328, 0.2221



36.7794, 0.3381, 0.2037



78.8137, 0.3328, 0.4743



17.4839, 0.3158, 0.3086



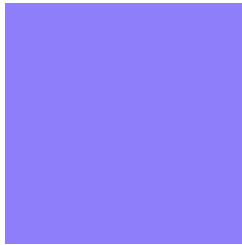
13.4763, 0.3563, 0.1737



1.2585, 0.3515, 0.1710

Previews

White Background



This preview shows how the Yxy color 27.5746, 0.2280, 0.1753 looks on a white background.

Color Contrast Check

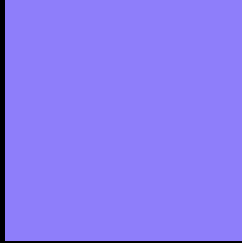
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5746, 0.2280, 0.1753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

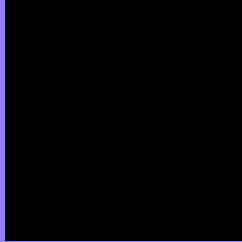
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5746, 0.2280, 0.1753

Background



This preview shows how black text looks on a background with the Yxy color 27.5746, 0.2280, 0.1753.



This preview shows how white text looks on a background with the Yxy color 27.5746, 0.2280, 0.1753.

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

27.5746, 0.2280, 0.1753

Protanopia

27.7599, 0.1989, 0.1764

Deuteranopia

28.0284, 0.1955, 0.1893



Tritanopia

27.6398, 0.2743, 0.3089

Trichromacy



Original Color

27.5746, 0.2280, 0.1753

Protanomaly

27.3302, 0.2076, 0.1749

Deuteranomaly

27.2195, 0.2036, 0.1824

Tritanomaly

27.1184, 0.2544, 0.2486

Monochromacy



Original Color

27.5746, 0.2280, 0.1753

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

27.5251, 0.2769, 0.2615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5746, 0.2280, 0.1753 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(142, 126, 250)` looks like.

```
.text, #text, p{  
    color:rgb(142, 126, 250)  
}
```

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(142, 126, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 126, 250) }
```

Border

The CSS property to change the border of an element to Yxy 27.5746, 0.2280, 0.1753 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(142, 126, 250) }
```

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

```
.border{ border-color:rgb(142, 126, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 126, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 126, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 126, 250);  
box-shadow:4px 4px 4px 4px rgb(142, 126,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5746, 0.2280, 0.1753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 126, 250) }
```

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

```
.background{ background-color: rgb(142,  
126, 250) }
```

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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