

Converting Colors

$Y_{xy}(29.9425, 0.2019, 0.1307)$

Have a look what the booklet for
Yxy(29.9425, 0.2019, 0.1307)
contains.

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Color

Yxy(25.7822, 0.2245, 0.1619)

Conversions

Conversions Part 1

Format	Color
Hex	8F75FF
RGB	143, 117, 255
RGB Percent	56%, 46%, 100%
CMY	0.4389, 0.5413, 0.0000
CMYK	0.44, 0.54, 0.00, 0.00
HSL	251°, 100%, 73%
HSV	251°, 54%, 100%
XYZ	35.7511, 25.7822, 97.7144
YIQ	140.5060, -28.8020, 48.4300

Conversions

Conversions Part 2

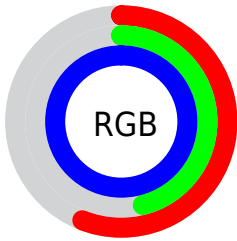
Format	Color
R _{YB}	143, 117, 255
Decimal	9401855
CIE Lab	57.83, 42.70, -65.62
CIE LCh	58, 78.288, 303.050
Yxy	25.7822, 0.2245, 0.1619
Android (android.graphics.Color)	4287591935 (0xFF8F75FF)
YUV	140.5060, 56.4455, 2.1872
Hunter-Lab	50.7762, 36.8221, -78.5552

Details

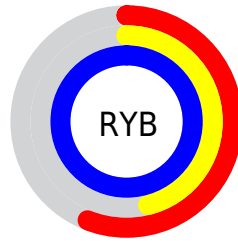
The Yxy color **25.7822, 0.2245, 0.1619** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **89.4427, 0.3730, 0.4682**, and the grayscale version is **26.2191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5260, 0.2753, 0.2352**, and **10.0045, 0.1973, 0.1256** is the 20% darker color. If you saturate the color by 10%, you get **18.9496, 0.2055, 0.1302**, and if you desaturate by 10%, it is **34.5721, 0.2437, 0.1957**.

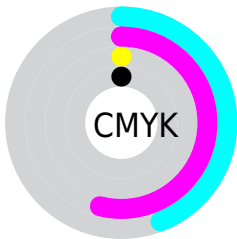
Distribution



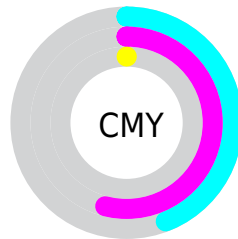
- Red (56%)
- Green (46%)
- Blue (100%)



- Red (56%)
- Yellow (46%)
- Blue (100%)



- Cyan (44%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)




- Cyan (44%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7822, 0.2245, 0.1619 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 25.7822, 0.2245, 0.1619 by changing the saturation by 10% instead.


 25.7822, 0.2245,
0.1619


 25.7822, 0.2245,
0.1619


281.7113, 0.2718,
0.2397


 16.6608, 0.2125,
0.1451


 52.9234, 0.2420,
0.1884

 9.9929, 0.1974,
0.1251


 71.7119, 0.2485,
0.1989

 5.3943, 0.1778,
0.1015


 94.4916, 0.2539,
0.2080

 2.4804, 0.1521,
0.0741

121.6469, 0.2586,
0.2160

 0.8668, 0.1184,
0.0439

153.5620, 0.2626,
0.2230

 0.0000, 0.0771,
0.0000

190.6216, 0.2660,

 0.0000, 0.0000,

0.2292

0.0000

233.2099, 0.2691,
0.2348

■ 25.7822, 0.2245,
0.1619

■ 25.7822, 0.2245,
0.1619

■ 18.9496, 0.2055,
0.1302

■ 34.5721, 0.2437,
0.1957

■ 13.9217, 0.1880,
0.1029

■ 45.4571, 0.2622,
0.2296

■ 10.5211, 0.1733,
0.0821

■ 58.5614, 0.2792,
0.2619

■ 8.5333, 0.1624,
0.0689

■ 73.9998, 0.2944,
0.2918

■ 7.8543, 0.1577,
0.0643

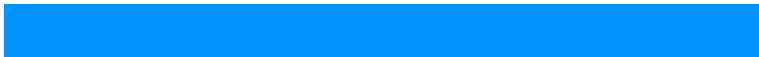
■ 91.8790, 0.3077,
0.3187

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.



25.7822, 0.1505, 0.1523



25.7822, 0.2245, 0.1619



25.7822, 0.3446, 0.2000

Triad

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



25.7822, 0.2245, 0.1619



25.7822, 0.5426, 0.4157



25.7822, 0.1565, 0.3835

Complementary

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



25.7822, 0.2245, 0.1619



89.4427, 0.3730, 0.4682

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.



25.7822, 0.2431, 0.5374



25.7822, 0.2245, 0.1619



25.7822, 0.4623, 0.5060

Square

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



25.7822, 0.2245, 0.1619



25.7822, 0.5583, 0.3347



25.7822, 0.3544, 0.5745



25.7822, 0.1169, 0.2458

Rectangle

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



25.7822, 0.2245, 0.1619



25.7822, 0.4378, 0.2392



25.7822, 0.3544, 0.5745



25.7822, 0.1805, 0.4398

Sweetspot

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



25.7819, 0.2245, 0.1619



70.9313, 0.2917, 0.2864



67.4231, 0.2373, 0.2986



14.4799, 0.2887, 0.2804



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.



25.7819, 0.2245, 0.1619



18.4432, 0.2039, 0.1276



33.8266, 0.2797, 0.1842



17.5431, 0.3008, 0.3046



4.1510, 0.1588, 0.0648



0.4459, 0.1684, 0.0701

Inverse Universe

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



39.6257, 0.3433, 0.2204



33.8088, 0.3513, 0.2039



80.3472, 0.3279, 0.4916



18.2380, 0.3167, 0.3099



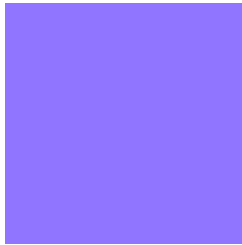
13.4776, 0.3756, 0.1843



1.3268, 0.3682, 0.1802

Previews

White Background



This preview shows how the Yxy color 25.7822, 0.2245, 0.1619 looks on a white background.

Color Contrast Check

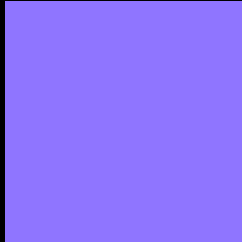
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7822, 0.2245, 0.1619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

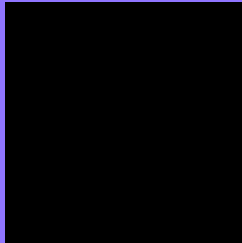
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.7822, 0.2245, 0.1619

Background



This preview shows how black text looks on a background with the Yxy color 25.7822, 0.2245, 0.1619.



This preview shows how white text looks on a background with the Yxy color 25.7822, 0.2245, 0.1619.

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

25.7822, 0.2245, 0.1619

Protanopia

26.1257, 0.1934, 0.1697

Deuteranopia

26.0903, 0.1838, 0.1773



Tritanopia

25.7599, 0.2767, 0.3100

Trichromacy



Original Color

25.7822, 0.2245, 0.1619

Protanomaly

25.4250, 0.2016, 0.1646

Deuteranomaly

24.6208, 0.1888, 0.1664

Tritanomaly

25.2474, 0.2538, 0.2415

Monochromacy



Original Color

25.7822, 0.2245, 0.1619

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

25.6307, 0.2752, 0.2532

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7822, 0.2245, 0.1619 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(143, 117, 255)` looks like.

```
.text, #text, p{  
    color:rgb(143, 117, 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(143, 117, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 117, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.7822, 0.2245, 0.1619 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(143, 117, 255) }
```

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

```
.border{ border-color:rgb(143, 117, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 117, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 117, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 117, 255);  
box-shadow:4px 4px 4px 4px rgb(143, 117,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7822, 0.2245, 0.1619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 117, 255) }
```

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

```
.background{ background-color: rgb(143,  
117, 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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