

Converting Colors

$Y_{xy}(22.4506, 0.2209, 0.1462)$

Have a look what the booklet for
Yxy(22.4506, 0.2209, 0.1462)
contains.

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Color

Yxy(22.4735, 0.2211, 0.1463)

Conversions

Conversions Part 1

Format	Color
Hex	8E66FF
RGB	142, 102, 255
RGB Percent	56%, 40%, 100%
CMY	0.4430, 0.6001, 0.0000
CMYK	0.44, 0.60, 0.00, 0.00
HSL	256°, 100%, 70%
HSV	256°, 60%, 100%
XYZ	33.9637, 22.4735, 97.1752
YIQ	131.4020, -25.2730, 56.0630

Conversions

Conversions Part 2

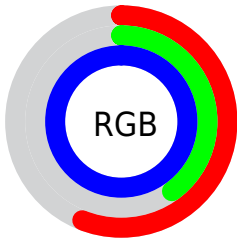
Format	Color
R _Y B	142, 102, 255
Decimal	9332479
CIE Lab	54.53, 50.82, -70.96
CIE LCh	55, 87.282, 305.608
Yxy	22.4735, 0.2211, 0.1463
Android (android.graphics.Color)	4287522559 (0xFF8E66FF)
YUV	131.4020, 60.9338, 9.2944
Hunter-Lab	47.4062, 44.9236, -88.3507

Details

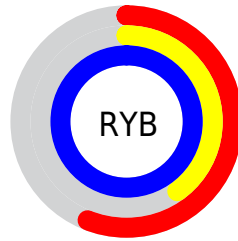
The Yxy color **22.4735, 0.2211, 0.1463** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **86.9173, 0.3698, 0.4857**, and the grayscale version is **22.6323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2192, 0.2741, 0.2189**, and **8.2365, 0.1920, 0.1076** is the 20% darker color. If you saturate the color by 10%, you get **16.6818, 0.2035, 0.1176**, and if you desaturate by 10%, it is **30.0855, 0.2392, 0.1783**.

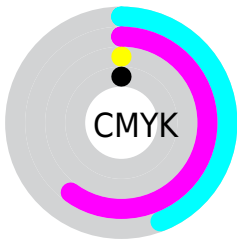
Distribution



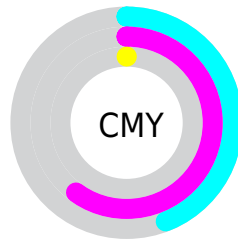
- Red (56%)
- Green (40%)
- Blue (100%)



- Red (56%)
- Yellow (40%)
- Blue (100%)



- Cyan (44%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)




- Cyan (44%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4735, 0.2211, 0.1463 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 22.4735, 0.2211, 0.1463 by changing the saturation by 10% instead.


 22.4735, 0.2211,
0.1463


 22.4735, 0.2211,
0.1463


265.0091, 0.2712,
0.2307


 14.2052, 0.2083,
0.1285


 47.5274, 0.2398,
0.1747

 8.2635, 0.1920,
0.1077

 65.0817, 0.2467,
0.1861

 4.2640, 0.1710,
0.0836


 86.5003, 0.2525,
0.1960

 1.8223, 0.1436,
0.0567

 112.1674, 0.2574,
0.2047

 0.5010, 0.1086,
0.0265

142.4674, 0.2616,
0.2123

 0.0000, 0.0646,
0.0000

177.7848, 0.2652,

 0.0000, 0.0000,

0.2191

0.0000

218.5039, 0.2684,
0.2252

■ 22.4735, 0.2211,
0.1463

■ 22.4735, 0.2211,
0.1463

■ 16.6818, 0.2035,
0.1176

■ 30.0855, 0.2392,
0.1783

■ 12.5521, 0.1875,
0.0942

■ 39.6613, 0.2569,
0.2114

■ 9.8937, 0.1742,
0.0776

■ 51.3271, 0.2734,
0.2441

■ 8.4046, 0.1642,
0.0678

■ 65.1990, 0.2882,
0.2749

■ 81.3845, 0.3013,
0.3033

99.9838, 0.3127,
0.3290

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.



22.4735, 0.1374, 0.1330



22.4735, 0.2211, 0.1463



22.4735, 0.3613, 0.1894

Triad

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



22.4735, 0.2211, 0.1463



22.4735, 0.5600, 0.4210



22.4735, 0.1292, 0.3730

Complementary

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



22.4735, 0.2211, 0.1463



86.9173, 0.3698, 0.4857

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.



22.4735, 0.2173, 0.5675



22.4735, 0.2211, 0.1463



22.4735, 0.4605, 0.5277

Square

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



22.4735, 0.2211, 0.1463



22.4735, 0.5949, 0.3335



22.4735, 0.3373, 0.6144



22.4735, 0.0945, 0.2206

Rectangle

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



22.4735, 0.2211, 0.1463



22.4735, 0.4703, 0.2325



22.4735, 0.3373, 0.6144



22.4735, 0.1526, 0.4416

Sweetspot

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



22.4727, 0.2211, 0.1463



68.2603, 0.2910, 0.2809



59.5378, 0.2284, 0.2817



13.6675, 0.2870, 0.2722



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.



22.4727, 0.2211, 0.1463



15.7322, 0.2001, 0.1125



31.4313, 0.2840, 0.1739



17.6076, 0.3020, 0.3047



4.4524, 0.1656, 0.0686



0.4836, 0.1767, 0.0747

Inverse Universe

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



35.6620, 0.3596, 0.2202



30.3195, 0.3725, 0.2062



78.0747, 0.3222, 0.5132



18.2144, 0.3178, 0.3116



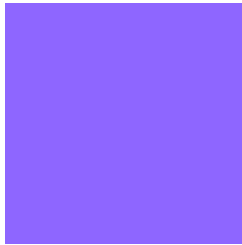
13.0374, 0.4007, 0.1981



1.2874, 0.3895, 0.1920

Previews

White Background



This preview shows how the Yxy color 22.4735, 0.2211, 0.1463 looks on a white background.

Color Contrast Check

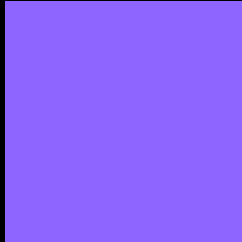
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4735, 0.2211, 0.1463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

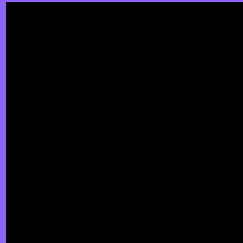
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4735, 0.2211, 0.1463

Background



This preview shows how black text looks on a background with the Yxy color 22.4735, 0.2211, 0.1463.



This preview shows how white text looks on a background with the Yxy color 22.4735, 0.2211, 0.1463.

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

22.4735, 0.2211, 0.1463

Protanopia

22.7947, 0.1820, 0.1549

Deuteranopia

22.6582, 0.1833, 0.1798



Tritanopia

22.3661, 0.2814, 0.3091

Trichromacy



Original Color

22.4735, 0.2211, 0.1463



Protanomaly

21.7816, 0.1902, 0.1481



Deuteranomaly

21.0000, 0.1848, 0.1600



Tritanomaly

21.6648, 0.2549, 0.2308

Monochromacy



Original Color

22.4735, 0.2211, 0.1463



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

21.7184, 0.2720, 0.2407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4735, 0.2211, 0.1463 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, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(142, 102, 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(142, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 22.4735, 0.2211, 0.1463 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, 102, 255) }
```

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

```
.border{ border-color:rgb(142, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(142, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4735, 0.2211, 0.1463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 102, 255) }
```

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

```
.background{ background-color: rgb(142,  
102, 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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