

Converting Colors

$Y_{xy}(21.8749, 0.2245, 0.1441)$

Have a look what the booklet for
Yxy(21.8749, 0.2245, 0.1441)
contains.

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Color

Yxy(21.9082, 0.2245, 0.1439)

Conversions

Conversions Part 1

Format	Color
Hex	9361FE
RGB	147, 97, 254
RGB Percent	58%, 38%, 100%
CMY	0.4239, 0.6194, 0.0041
CMYK	0.42, 0.62, 0.00, 0.00
HSL	259°, 99%, 69%
HSV	259°, 62%, 100%
XYZ	34.1792, 21.9082, 96.1586
YIQ	129.8480, -20.5970, 59.4270

Conversions

Conversions Part 2

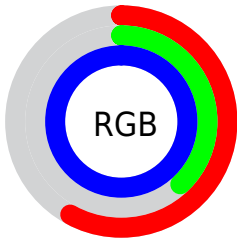
Format	Color
R _Y B	147, 97, 254
Decimal	9658878
CIE Lab	53.93, 54.14, -71.32
CIE LCh	54, 89.538, 307.203
Yxy	21.9082, 0.2245, 0.1439
Android (android.graphics.Color)	4287848958 (0xFF9361FE)
YUV	129.8480, 61.2069, 15.0423
Hunter-Lab	46.8062, 48.4350, -89.0409

Details

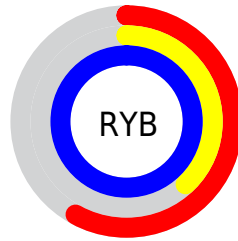
The Yxy color **21.9082, 0.2245, 0.1439** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **84.5746, 0.3647, 0.4933**, and the grayscale version is **22.0543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2981, 0.2778, 0.2148**, and **7.9657, 0.1962, 0.1051** is the 20% darker color. If you saturate the color by 10%, you get **16.4579, 0.2077, 0.1166**, and if you desaturate by 10%, it is **29.1029, 0.2417, 0.1747**.

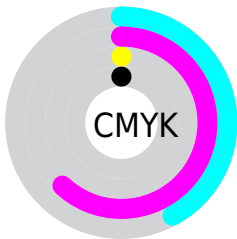
Distribution



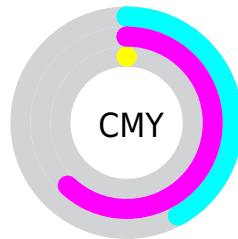
- Red (58%)
- Green (38%)
- Blue (100%)



- Red (58%)
- Yellow (38%)
- Blue (100%)



- Cyan (42%)
- Magenta (62%)
- Yellow (0%)
- Black (0%)





- Cyan (42%)
- Magenta (62%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9082, 0.2245, 0.1439 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 21.9082, 0.2245, 0.1439 by changing the saturation by 10% instead.


 21.9082, 0.2245,
0.1439


 21.9082, 0.2245,
0.1439


262.0665, 0.2733,
0.2292


 13.7895, 0.2119,
0.1260


 46.5942, 0.2428,
0.1726


 7.9744, 0.1957,
0.1051


 63.9303, 0.2495,
0.1840

 4.0786, 0.1749,
0.0810


 85.1076, 0.2552,
0.1941

 1.7176, 0.1475,
0.0542

 110.5106, 0.2599,
0.2028

 0.4350, 0.1124,
0.0234

140.5235, 0.2640,
0.2106

 0.0000, 0.0676,
0.0000

175.5309, 0.2675,

 0.0000, 0.0000,

0.2175

0.0000

215.9171, 0.2706,
0.2236

■ 21.9082, 0.2245,
0.1439

■ 21.9082, 0.2245,
0.1439

■ 16.4579, 0.2077,
0.1166

■ 29.1029, 0.2417,
0.1747

■ 12.5901, 0.1924,
0.0947

■ 38.1794, 0.2583,
0.2070

■ 10.1141, 0.1794,
0.0794

■ 49.2635, 0.2739,
0.2392

■ 8.8889, 0.1707,
0.0714

■ 62.4694, 0.2879,
0.2700

■ 77.9024, 0.3003,
0.2986

95.6608, 0.3110,
0.3246

99.9332, 0.3133,
0.3300

Harmonies

Analogous

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



21.9082, 0.1366, 0.1288



21.9082, 0.2245, 0.1439



21.9082, 0.3714, 0.1890

Triad

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



21.9082, 0.2245, 0.1439



21.9082, 0.5605, 0.4253



21.9082, 0.1210, 0.3629

Complementary

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



21.9082, 0.2245, 0.1439



84.5746, 0.3647, 0.4933

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.



21.9082, 0.2071, 0.5690



21.9082, 0.2245, 0.1439



21.9082, 0.4557, 0.5372

Square

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



21.9082, 0.2245, 0.1439



21.9082, 0.6032, 0.3356



21.9082, 0.3282, 0.6254



21.9082, 0.0893, 0.2112

Rectangle

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



21.9082, 0.2245, 0.1439



21.9082, 0.4838, 0.2334



21.9082, 0.3282, 0.6254



21.9082, 0.1434, 0.4338

Sweetspot

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



21.9089, 0.2245, 0.1439



67.1487, 0.2915, 0.2782



53.0145, 0.2234, 0.2663



13.4699, 0.2878, 0.2698



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.



21.9089, 0.2245, 0.1439



15.6067, 0.2042, 0.1112



31.7528, 0.2926, 0.1744



17.6578, 0.3028, 0.3048



4.7573, 0.1722, 0.0722



0.5187, 0.1842, 0.0788

Inverse Universe

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



33.9887, 0.3716, 0.2253



29.1337, 0.3882, 0.2132



76.1444, 0.3164, 0.5219



18.1964, 0.3187, 0.3129



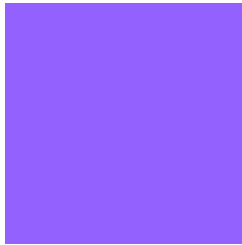
12.7335, 0.4216, 0.2096



1.2597, 0.4072, 0.2017

Previews

White Background



This preview shows how the Yxy color 21.9082, 0.2245, 0.1439 looks on a white background.

Color Contrast Check

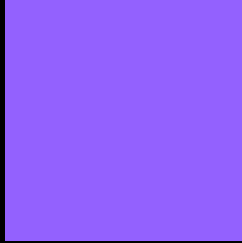
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9082, 0.2245, 0.1439 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 21.9082, 0.2245, 0.1439

Background



This preview shows how black text looks on a background with the Yxy color 21.9082, 0.2245, 0.1439.



This preview shows how white text looks on a background with the Yxy color 21.9082, 0.2245, 0.1439.

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

21.9082, 0.2245, 0.1439

Protanopia

22.1275, 0.1797, 0.1517

Deuteranopia

21.9458, 0.1832, 0.1795



Tritanopia

21.8518, 0.2912, 0.3110

Trichromacy



Original Color

21.9082, 0.2245, 0.1439



Protanomaly

20.9601, 0.1881, 0.1440



Deuteranomaly

20.1825, 0.1845, 0.1575



Tritanomaly

21.0389, 0.2624, 0.2297

Monochromacy



Original Color

21.9082, 0.2245, 0.1439



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

21.2863, 0.2737, 0.2391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9082, 0.2245, 0.1439 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(147, 97, 254)` looks like.

```
.text, #text, p{  
    color:rgb(147, 97, 254)  
}
```

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(147, 97, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 97, 254) }
```

Border

The CSS property to change the border of an element to Yxy 21.9082, 0.2245, 0.1439 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(147, 97, 254) }
```

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

```
.border{ border-color:rgb(147, 97, 254) }
```

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

Here you see how a box with a 4 pixel rgb(147, 97, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 97, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 97, 254);  
box-shadow:4px 4px 4px 4px rgb(147, 97,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9082, 0.2245, 0.1439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 97, 254) }
```

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

```
.background{ background-color: rgb(147, 97,  
254) }
```

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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