

Converting Colors

$Y_{xy}(21.1146, 0.2205, 0.1394)$

Have a look what the booklet for
Yxy(21.1146, 0.2205, 0.1394)
contains.

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Color

Yxy(21.0650, 0.2205, 0.1392)

Conversions

Conversions Part 1

Format	Color
Hex	8F5EFF
RGB	143, 94, 255
RGB Percent	56%, 37%, 100%
CMY	0.4395, 0.6312, 0.0001
CMYK	0.44, 0.63, 0.00, 0.00
HSL	258°, 100%, 68%
HSV	258°, 63%, 100%
XYZ	33.3680, 21.0650, 96.8960
YIQ	127.0050, -22.4770, 60.4590

Conversions

Conversions Part 2

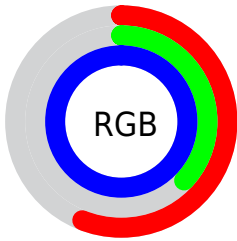
Format	Color
R _Y B	143, 94, 255
Decimal	9395967
CIE Lab	53.02, 55.22, -73.37
CIE LCh	53, 91.831, 306.965
Yxy	21.0650, 0.2205, 0.1392
Android (android.graphics.Color)	4287586047 (0xFF8F5EFF)
YUV	127.0050, 63.1015, 14.0276
Hunter-Lab	45.8966, 49.4551, -93.0441

Details

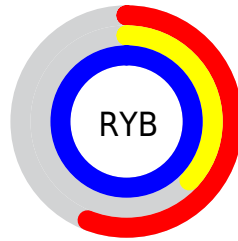
The Yxy color **21.0650, 0.2205, 0.1392** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **85.4499, 0.3668, 0.4955**, and the grayscale version is **21.0121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7839, 0.2744, 0.2107**, and **7.5528, 0.1910, 0.1000** is the 20% darker color. If you saturate the color by 10%, you get **15.7929, 0.2037, 0.1124**, and if you desaturate by 10%, it is **28.0863, 0.2379, 0.1698**.

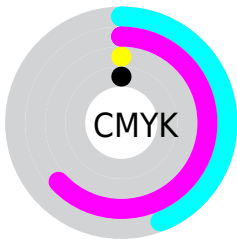
Distribution



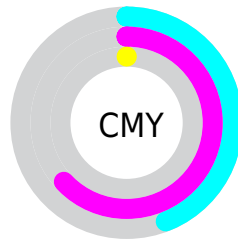
- Red (56%)
- Green (37%)
- Blue (100%)



- Red (56%)
- Yellow (37%)
- Blue (100%)



- Cyan (44%)
- Magenta (63%)
- Yellow (0%)
- Black (0%)




- Cyan (44%)
- Magenta (63%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0650, 0.2205, 0.1392 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 21.0650, 0.2205, 0.1392 by changing the saturation by 10% instead.


 21.0650, 0.2205,
0.1392

 21.0650, 0.2205,
0.1392


257.6237, 0.2715,
0.2264


 13.1715, 0.2073,
0.1210


 45.1957, 0.2396,
0.1684


 7.5468, 0.1906,
0.0999


 62.2017, 0.2466,
0.1801

 3.8063, 0.1691,
0.0759


 83.0140, 0.2525,
0.1904

 1.5658, 0.1410,
0.0495

 108.0170, 0.2575,
0.1994

 0.3344, 0.1057,
0.0180

137.5950, 0.2618,
0.2073

 0.0000, 0.0603,
0.0000

172.1326, 0.2655,

 0.0000, 0.0000,

0.2144

0.0000

212.0140, 0.2687,
0.2207

■ 21.0650, 0.2205,
0.1392

■ 21.0650, 0.2205,
0.1392

■ 15.7929, 0.2037,
0.1124

■ 28.0863, 0.2379,
0.1698

■ 12.1023, 0.1885,
0.0912

■ 36.9987, 0.2550,
0.2023

■ 9.7942, 0.1760,
0.0768

■ 47.9317, 0.2710,
0.2347

■ 8.8153, 0.1690,
0.0704

■ 61.0024, 0.2855,
0.2659

■ 76.3189, 0.2984,
0.2949

93.9818, 0.3096,
0.3213

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



21.0650, 0.1317, 0.1241



21.0650, 0.2205, 0.1392



21.0650, 0.3716, 0.1847

Triad

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



21.0650, 0.2205, 0.1392



21.0650, 0.5668, 0.4235



21.0650, 0.1157, 0.3648

Complementary

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



21.0650, 0.2205, 0.1392



85.4499, 0.3668, 0.4955

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.



21.0650, 0.2029, 0.5817



21.0650, 0.2205, 0.1392



21.0650, 0.4586, 0.5410

Square

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



21.0650, 0.2205, 0.1392



21.0650, 0.6120, 0.3323



21.0650, 0.3260, 0.6350



21.0650, 0.0843, 0.2073

Rectangle

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



21.0650, 0.2205, 0.1392



21.0650, 0.4886, 0.2296



21.0650, 0.3260, 0.6350



21.0650, 0.1383, 0.4395

Sweetspot

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



21.0657, 0.2205, 0.1392



67.0421, 0.2910, 0.2781



54.0803, 0.2227, 0.2682



13.4445, 0.2872, 0.2697



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.



21.0657, 0.2205, 0.1392



14.5770, 0.1991, 0.1056



30.8870, 0.2895, 0.1706



17.6452, 0.3026, 0.3048



4.6750, 0.1704, 0.0713



0.5095, 0.1822, 0.0778

Inverse Universe

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



33.7301, 0.3707, 0.2217



28.6103, 0.3874, 0.2095



76.7682, 0.3176, 0.5253



18.2009, 0.3185, 0.3126



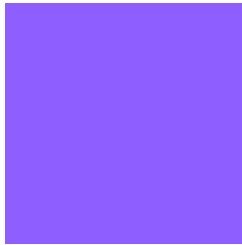
12.8065, 0.4163, 0.2067



1.2664, 0.4027, 0.1992

Previews

White Background



This preview shows how the Yxy color 21.0650, 0.2205, 0.1392 looks on a white background.

Color Contrast Check

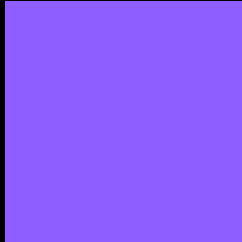
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0650, 0.2205, 0.1392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

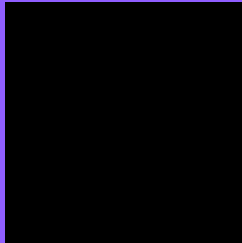
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0650, 0.2205, 0.1392

Background



This preview shows how black text looks on a background with the Yxy color 21.0650, 0.2205, 0.1392.

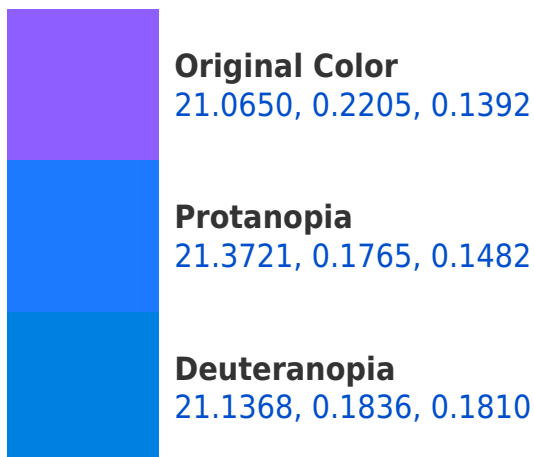


This preview shows how white text looks on a background with the Yxy color 21.0650, 0.2205, 0.1392.

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





Tritanopia

20.8507, 0.2866, 0.3105

Trichromacy



Original Color

21.0650, 0.2205, 0.1392



Protanomaly

20.0735, 0.1833, 0.1399



Deuteranomaly

19.2770, 0.1840, 0.1555



Tritanomaly

20.1870, 0.2571, 0.2252

Monochromacy



Original Color

21.0650, 0.2205, 0.1392



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

20.3040, 0.2711, 0.2348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0650, 0.2205, 0.1392 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, 94, 255)` looks like.

```
.text, #text, p{  
    color:rgb(143, 94, 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, 94, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 94, 255) }
```

Border

The CSS property to change the border of an element to Yxy 21.0650, 0.2205, 0.1392 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, 94, 255) }
```

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

```
.border{ border-color:rgb(143, 94, 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, 94, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(143, 94, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(143, 94, 255); box-shadow:4px 4px 4px 4px rgb(143, 94, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0650, 0.2205, 0.1392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 94, 255) }
```

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

```
.background{ background-color: rgb(143, 94,  
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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