

Converting Colors

$Y_{xy}(22.4945, 0.2322, 0.1445)$

Have a look what the booklet for
Yxy(22.4945, 0.2322, 0.1445)
contains.

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Color

Yxy(22.4945, 0.2322, 0.1445)

Conversions

Conversions Part 1

Format	Color
Hex	9E5EFF
RGB	158, 94, 255
RGB Percent	62%, 37%, 100%
CMY	0.3805, 0.6313, 0.0001
CMYK	0.38, 0.63, 0.00, 0.00
HSL	264°, 100%, 68%
HSV	264°, 63%, 100%
XYZ	36.1469, 22.4945, 97.0299
YIQ	131.4900, -13.5370, 63.6390

Conversions

Conversions Part 2

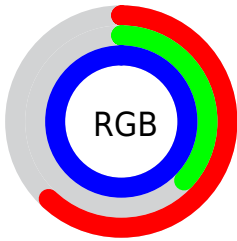
Format	Color
R _Y B	158, 94, 255
Decimal	10379007
CIE Lab	54.55, 58.17, -70.83
CIE LCh	55, 91.653, 309.396
Yxy	22.4945, 0.2322, 0.1445
Android (android.graphics.Color)	4288569087 (0xFF9E5EFF)
YUV	131.4900, 60.8904, 23.2493
Hunter-Lab	47.4284, 53.0417, -88.0968

Details

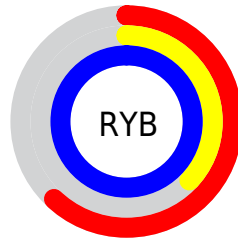
The Yxy color **22.4945, 0.2322, 0.1445** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **83.3984, 0.3565, 0.5017**, and the grayscale version is **22.6647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9929, 0.2866, 0.2147**, and **8.2697, 0.2057, 0.1062** is the 20% darker color. If you saturate the color by 10%, you get **17.2218, 0.2168, 0.1189**, and if you desaturate by 10%, it is **29.4607, 0.2478, 0.1738**.

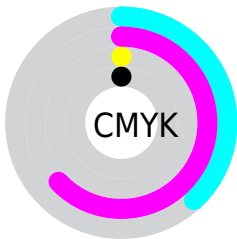
Distribution



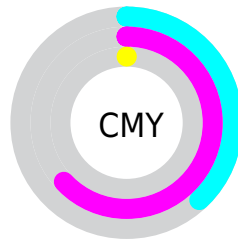
- Red (62%)
- Green (37%)
- Blue (100%)



- Red (62%)
- Yellow (37%)
- Blue (100%)



- Cyan (38%)
- Magenta (63%)
- Yellow (0%)
- Black (0%)




- Cyan (38%)
- Magenta (63%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4945, 0.2322, 0.1445 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 22.4945, 0.2322, 0.1445 by changing the saturation by 10% instead.


 22.4945, 0.2322,
0.1445

 22.4945, 0.2322,
0.1445


265.1179, 0.2772,
0.2290


 14.2207, 0.2204,
0.1268


 47.5620, 0.2492,
0.1728

 8.2743, 0.2052,
0.1062


 65.1244, 0.2554,
0.1842

 4.2710, 0.1855,
0.0824


 86.5518, 0.2606,
0.1941

 1.8263, 0.1593,
0.0559

 112.2287, 0.2650,
0.2028

 0.5035, 0.1249,
0.0262

142.5393, 0.2687,
0.2105

 0.0000, 0.0810,
0.0000

177.8681, 0.2720,

 0.0000, 0.0000,

0.2173

0.0000

218.5995, 0.2748,
0.2235

■ 22.4945, 0.2322,
0.1445

■ 22.4945, 0.2322,
0.1445

■ 17.2218, 0.2168,
0.1189

■ 29.4607, 0.2478,
0.1738

■ 13.4792, 0.2023,
0.0984

■ 38.2579, 0.2629,
0.2049

■ 11.0729, 0.1896,
0.0843

■ 49.0118, 0.2769,
0.2362

■ 10.0035, 0.1821,
0.0777

■ 61.8359, 0.2894,
0.2666

■ 76.8349, 0.3005,
0.2951

94.1064, 0.3100,
0.3213

99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



22.4945, 0.1395, 0.1271



22.4945, 0.2322, 0.1445



22.4945, 0.3846, 0.1920

Triad

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



22.4945, 0.2322, 0.1445



22.4945, 0.5563, 0.4326



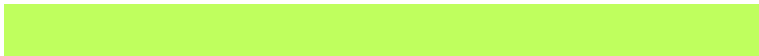
22.4945, 0.1148, 0.3482

Complementary

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



22.4945, 0.2322, 0.1445



83.3984, 0.3565, 0.5017

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.



22.4945, 0.1971, 0.5606



22.4945, 0.2322, 0.1445



22.4945, 0.4469, 0.5470

Square

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



22.4945, 0.2322, 0.1445



22.4945, 0.6067, 0.3406



22.4945, 0.3178, 0.6321



22.4945, 0.0867, 0.2022

Rectangle

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



22.4945, 0.2322, 0.1445



22.4945, 0.4976, 0.2375



22.4945, 0.3178, 0.6321



22.4945, 0.1358, 0.4189

Sweetspot

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



22.4953, 0.2322, 0.1445



67.7643, 0.2942, 0.2786



47.8647, 0.2185, 0.2502



13.6174, 0.2909, 0.2703



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.



22.4953, 0.2322, 0.1445



15.9992, 0.2125, 0.1124



33.0965, 0.3020, 0.1762



17.7298, 0.3041, 0.3049



5.3086, 0.1838, 0.0786



0.5782, 0.1963, 0.0855

Inverse Universe

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



33.0295, 0.3890, 0.2351



27.8332, 0.4123, 0.2252



75.8156, 0.3111, 0.5292



18.1710, 0.3199, 0.3148



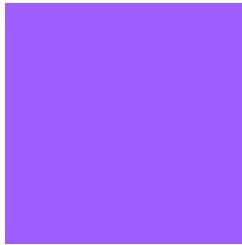
12.3527, 0.4533, 0.2271



1.2243, 0.4341, 0.2165

Previews

White Background



This preview shows how the Yxy color 22.4945, 0.2322, 0.1445 looks on a white background.

Color Contrast Check

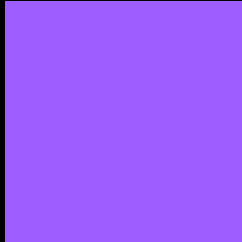
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4945, 0.2322, 0.1445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

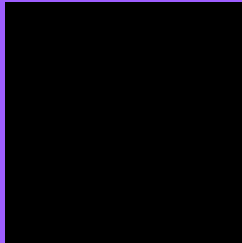
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4945, 0.2322, 0.1445

Background



This preview shows how black text looks on a background with the Yxy color 22.4945, 0.2322, 0.1445.

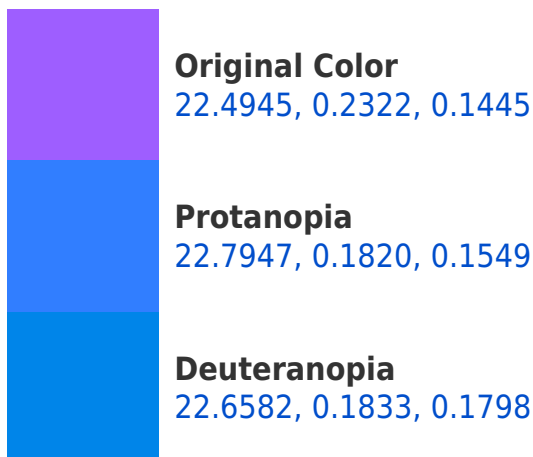


This preview shows how white text looks on a background with the Yxy color 22.4945, 0.2322, 0.1445.

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

22.2599, 0.3077, 0.3117

Trichromacy



Original Color

22.4945, 0.2322, 0.1445



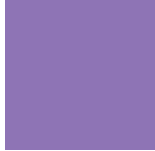
Protanomaly

21.3785, 0.1920, 0.1456



Deuteranomaly

20.4144, 0.1852, 0.1565



Tritanomaly

21.5778, 0.2743, 0.2299

Monochromacy



Original Color

22.4945, 0.2322, 0.1445



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

21.7542, 0.2780, 0.2391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4945, 0.2322, 0.1445 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(158, 94, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 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(158, 94, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 94, 255) }
```

Border

The CSS property to change the border of an element to Yxy 22.4945, 0.2322, 0.1445 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(158, 94, 255) }
```

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

```
.border{ border-color:rgb(158, 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(158, 94, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 94, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 94, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 94,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4945, 0.2322, 0.1445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 94, 255) }
```

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

```
.background{ background-color: rgb(158, 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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