

Converting Colors

$Y_{xy}(22.4458, 0.2121, 0.1254)$

Have a look what the booklet for
Yxy(22.4458, 0.2121, 0.1254)
contains.

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Color

Yxy(20.8282, 0.2238, 0.1374)

Conversions

Conversions Part 1

Format	Color
Hex	945AFF
RGB	148, 90, 255
RGB Percent	58%, 35%, 100%
CMY	0.4194, 0.6472, 0.0000
CMYK	0.42, 0.65, 0.00, 0.00
HSL	261°, 100%, 68%
HSV	261°, 65%, 100%
XYZ	33.9254, 20.8282, 96.8345
YIQ	126.1520, -18.3970, 63.6110

Conversions

Conversions Part 2

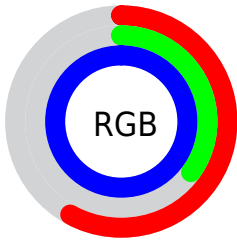
Format	Color
R _Y B	148, 90, 255
Decimal	9722623
CIE Lab	52.76, 58.29, -73.78
CIE LCh	53, 94.029, 308.312
Yxy	20.8282, 0.2238, 0.1374
Android (android.graphics.Color)	4287912703 (0xFF945AFF)
YUV	126.1520, 63.5221, 19.1607
Hunter-Lab	45.6379, 52.8234, -93.8549

Details

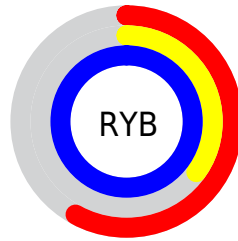
The Yxy color **20.8282, 0.2238, 0.1374** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **84.1118, 0.3620, 0.5024**, and the grayscale version is **20.7036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2748, 0.2782, 0.2079**, and **7.4437, 0.1944, 0.0984** is the 20% darker color. If you saturate the color by 10%, you get **15.8082, 0.2078, 0.1119**, and if you desaturate by 10%, it is **27.5439, 0.2403, 0.1669**.

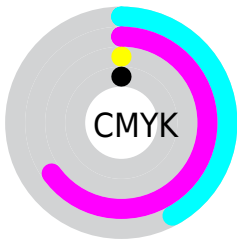
Distribution



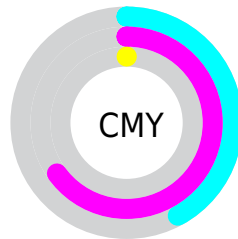
- Red (58%)
- Green (35%)
- Blue (100%)



- Red (58%)
- Yellow (35%)
- Blue (100%)



- Cyan (42%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)





- Cyan (42%)
- Magenta (65%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8282, 0.2238, 0.1374 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 20.8282, 0.2238, 0.1374 by changing the saturation by 10% instead.


 20.8282, 0.2238,
0.1374


 20.8282, 0.2238,
0.1374


256.3641, 0.2734,
0.2251


 12.9985, 0.2109,
0.1192


 44.8014, 0.2424,
0.1667


 7.4275, 0.1944,
0.0982


 61.7137, 0.2493,
0.1785

 3.7309, 0.1731,
0.0742


 82.4224, 0.2550,
0.1888

 1.5242, 0.1453,
0.0481

 107.3117, 0.2599,
0.1978

 0.3057, 0.1100,
0.0164

136.7661, 0.2640,
0.2059

 0.0000, 0.0647,
0.0000

171.1701, 0.2676,

 0.0000, 0.0000,

0.2130

0.0000

210.9079, 0.2707,
0.2194

■ 20.8282, 0.2238,
0.1374

■ 20.8282, 0.2238,
0.1374

■ 15.8082, 0.2078,
0.1119

■ 27.5439, 0.2403,
0.1669

■ 12.3146, 0.1932,
0.0921

■ 36.0978, 0.2565,
0.1985

■ 10.1437, 0.1809,
0.0788

■ 46.6194, 0.2717,
0.2305

■ 9.3811, 0.1753,
0.0739

■ 59.2255, 0.2855,
0.2615

■ 74.0235, 0.2977,
0.2906

91.1135, 0.3083,
0.3173

99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



20.8282, 0.1314, 0.1208



20.8282, 0.2238, 0.1374



20.8282, 0.3808, 0.1846

Triad

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



20.8282, 0.2238, 0.1374



20.8282, 0.5670, 0.4278



20.8282, 0.1090, 0.3553

Complementary

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



20.8282, 0.2238, 0.1374



84.1118, 0.3620, 0.5024

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.



20.8282, 0.1940, 0.5821



20.8282, 0.2238, 0.1374



20.8282, 0.4522, 0.5478

Square

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



20.8282, 0.2238, 0.1374



20.8282, 0.6183, 0.3339



20.8282, 0.3176, 0.6446



20.8282, 0.0803, 0.1993

Rectangle

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



20.8282, 0.2238, 0.1374



20.8282, 0.5006, 0.2305



20.8282, 0.3176, 0.6446



20.8282, 0.1306, 0.4316

Sweetspot

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



20.8289, 0.2238, 0.1374



67.4120, 0.2927, 0.2784



49.4320, 0.2184, 0.2553



13.5329, 0.2891, 0.2700



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.



20.8289, 0.2238, 0.1374



14.5022, 0.2028, 0.1047



31.3903, 0.2964, 0.1710



17.6887, 0.3034, 0.3048



4.9772, 0.1769, 0.0748



0.5429, 0.1892, 0.0816

Inverse Universe

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



32.5937, 0.3824, 0.2268



27.6003, 0.4032, 0.2164



75.8803, 0.3133, 0.5326



18.1854, 0.3192, 0.3137



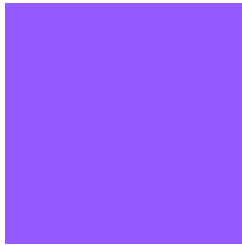
12.5623, 0.4350, 0.2170



1.2439, 0.4185, 0.2079

Previews

White Background



This preview shows how the Yxy color 20.8282, 0.2238, 0.1374 looks on a white background.

Color Contrast Check

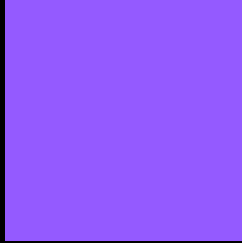
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8282, 0.2238, 0.1374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

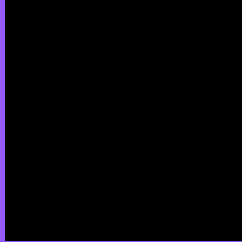
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8282, 0.2238, 0.1374

Background



This preview shows how black text looks on a background with the Yxy color 20.8282, 0.2238, 0.1374.



This preview shows how white text looks on a background with the Yxy color 20.8282, 0.2238, 0.1374.

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

20.8282, 0.2238, 0.1374

Protanopia

21.0542, 0.1755, 0.1466

Deuteranopia

21.0282, 0.1842, 0.1829



Tritanopia

20.6924, 0.2951, 0.3107

Trichromacy



Original Color

20.8282, 0.2238, 0.1374



Protanomaly

19.5652, 0.1820, 0.1373



Deuteranomaly

19.0439, 0.1845, 0.1551



Tritanomaly

19.8108, 0.2633, 0.2243

Monochromacy



Original Color

20.8282, 0.2238, 0.1374



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

19.8957, 0.2728, 0.2332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8282, 0.2238, 0.1374 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(148, 90, 255)` looks like.

```
.text, #text, p{  
    color:rgb(148, 90, 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(148, 90, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 90, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.8282, 0.2238, 0.1374 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(148, 90, 255) }
```

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

```
.border{ border-color:rgb(148, 90, 255) }
```

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

Here you see how a box with a 4 pixel rgb(148, 90, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 90, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 90, 255);  
box-shadow:4px 4px 4px 4px rgb(148, 90,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8282, 0.2238, 0.1374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 90, 255) }
```

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

```
.background{ background-color: rgb(148, 90,  
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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