

Converting Colors

$Y_{xy}(21.5213, 0.2243, 0.1409)$

Have a look what the booklet for
Yxy(21.5213, 0.2243, 0.1409)
contains.

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Color

Yxy(21.5213, 0.2243, 0.1409)

Conversions

Conversions Part 1

Format	Color
Hex	945EFF
RGB	148, 94, 255
RGB Percent	58%, 37%, 100%
CMY	0.4198, 0.6313, 0.0000
CMYK	0.42, 0.63, 0.00, 0.00
HSL	260°, 100%, 68%
HSV	260°, 63%, 100%
XYZ	34.2600, 21.5213, 96.9604
YIQ	128.5000, -19.4970, 61.5190

Conversions

Conversions Part 2

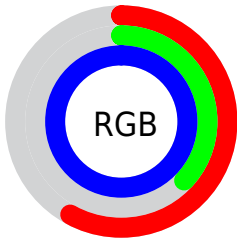
Format	Color
R _Y B	148, 94, 255
Decimal	9723647
CIE Lab	53.52, 56.20, -72.56
CIE LCh	54, 91.783, 307.760
Yxy	21.5213, 0.2243, 0.1409
Android (android.graphics.Color)	4287913727 (0xFF945EFF)
YUV	128.5000, 62.3645, 17.1015
Hunter-Lab	46.3911, 50.6385, -91.4463

Details

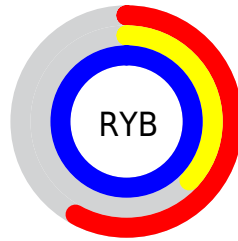
The Yxy color **21.5213, 0.2243, 0.1409** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **84.7550, 0.3633, 0.4976**, and the grayscale version is **21.5538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4973, 0.2784, 0.2120**, and **7.7852, 0.1952, 0.1022** is the 20% darker color. If you saturate the color by 10%, you get **16.2433, 0.2079, 0.1144**, and if you desaturate by 10%, it is **28.5288, 0.2412, 0.1711**.

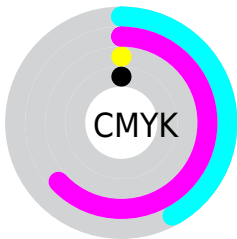
Distribution



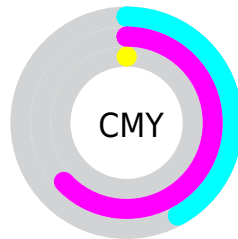
- Red (58%)
- Green (37%)
- Blue (100%)



- Red (58%)
- Yellow (37%)
- Blue (100%)



- Cyan (42%)
- Magenta (63%)
- Yellow (0%)
- Black (0%)





- Cyan (42%)
- Magenta (63%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5213, 0.2243, 0.1409 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 21.5213, 0.2243, 0.1409 by changing the saturation by 10% instead.


 21.5213, 0.2243,
0.1409


 21.5213, 0.2243,
0.1409


260.0361, 0.2734,
0.2272

 13.5056, 0.2116,
0.1229


 45.9535, 0.2427,
0.1698


 7.7776, 0.1954,
0.1019


 63.1388, 0.2495,
0.1814

 3.9530, 0.1744,
0.0780


 84.1494, 0.2552,
0.1916

 1.6473, 0.1469,
0.0516

 109.3698, 0.2599,
0.2005

 0.3892, 0.1118,
0.0207

139.1842, 0.2640,
0.2083

 0.0000, 0.0671,
0.0000


173.9771, 0.2676,


 0.0000, 0.0000,

0.2153

0.0000


214.1330, 0.2707,
0.2216

 21.5213, 0.2243,
0.1409


 21.5213, 0.2243,
0.1409


 16.2433, 0.2079,
0.1144


 28.5288, 0.2412,
0.1711


 12.5300, 0.1929,
0.0935


 37.4073, 0.2576,
0.2031

 10.1837, 0.1802,
0.0791

 48.2846, 0.2729,
0.2352

 9.1719, 0.1730,
0.0727

 61.2764, 0.2868,
0.2661

 76.4896, 0.2991,
0.2949

94.0237, 0.3097,
0.3213

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.



21.5213, 0.1342, 0.1250



21.5213, 0.2243, 0.1409



21.5213, 0.3759, 0.1870

Triad

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



21.5213, 0.2243, 0.1409



21.5213, 0.5634, 0.4265



21.5213, 0.1154, 0.3592

Complementary

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



21.5213, 0.2243, 0.1409



84.7550, 0.3633, 0.4976

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.



21.5213, 0.2010, 0.5749



21.5213, 0.2243, 0.1409



21.5213, 0.4547, 0.5430

Square

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



21.5213, 0.2243, 0.1409



21.5213, 0.6103, 0.3350



21.5213, 0.3233, 0.6343



21.5213, 0.0850, 0.2056

Rectangle

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



21.5213, 0.2243, 0.1409



21.5213, 0.4916, 0.2322



21.5213, 0.3233, 0.6343



21.5213, 0.1374, 0.4326

Sweetspot

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



21.5216, 0.2243, 0.1409



67.2815, 0.2921, 0.2783



51.5334, 0.2210, 0.2610



13.5017, 0.2885, 0.2699



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.



21.5216, 0.2243, 0.1409



15.0246, 0.2034, 0.1078



31.7514, 0.2945, 0.1728



17.6734, 0.3031, 0.3048



4.8652, 0.1745, 0.0735



0.5307, 0.1867, 0.0802

Inverse Universe

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



33.4896, 0.3767, 0.2261



28.3395, 0.3955, 0.2146



76.3829, 0.3149, 0.5269



18.1908, 0.3190, 0.3133



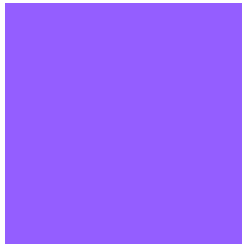
12.6456, 0.4283, 0.2133



1.2516, 0.4129, 0.2048

Previews

White Background



This preview shows how the Yxy color 21.5213, 0.2243, 0.1409 looks on a white background.

Color Contrast Check

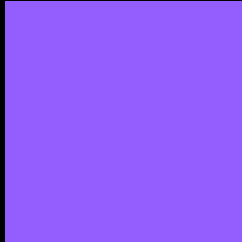
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5213, 0.2243, 0.1409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

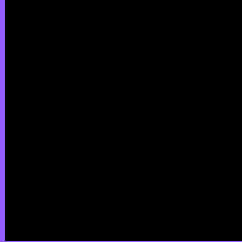
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5213, 0.2243, 0.1409

Background



This preview shows how black text looks on a background with the Yxy color 21.5213, 0.2243, 0.1409.



This preview shows how white text looks on a background with the Yxy color 21.5213, 0.2243, 0.1409.

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

21.5213, 0.2243, 0.1409

Protanopia

21.7610, 0.1783, 0.1500

Deuteranopia

21.5113, 0.1835, 0.1807



Tritanopia

21.2664, 0.2931, 0.3109

Trichromacy



Original Color

21.5213, 0.2243, 0.1409



Protanomaly

20.3861, 0.1863, 0.1412



Deuteranomaly

19.6213, 0.1846, 0.1564



Tritanomaly

20.5728, 0.2620, 0.2266

Monochromacy



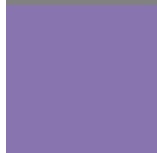
Original Color

21.5213, 0.2243, 0.1409



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

20.8202, 0.2735, 0.2359

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5213, 0.2243, 0.1409 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, 94, 255)` looks like.

```
.text, #text, p{  
    color:rgb(148, 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(148, 94, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 94, 255) }
```

Border

The CSS property to change the border of an element to Yxy 21.5213, 0.2243, 0.1409 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, 94, 255) }
```

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

```
.border{ border-color:rgb(148, 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(148, 94, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 94, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 94, 255);  
box-shadow:4px 4px 4px 4px rgb(148, 94,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5213, 0.2243, 0.1409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 94, 255) }
```

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

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