

Converting Colors

$Y_{xy}(21.4078, 0.2358, 0.1443)$

Have a look what the booklet for
Yxy(21.4078, 0.2358, 0.1443)
contains.

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Color

Yxy(21.3552, 0.2359, 0.1441)

Conversions

Conversions Part 1

Format	Color
Hex	9F59F9
RGB	159, 89, 249
RGB Percent	62%, 35%, 98%
CMY	0.3766, 0.6508, 0.0236
CMYK	0.36, 0.64, 0.00, 0.02
HSL	266°, 93%, 66%
HSV	266°, 64%, 98%
XYZ	34.9597, 21.3552, 91.8822
YIQ	128.1700, -9.6400, 64.6000

Conversions

Conversions Part 2

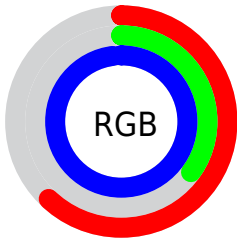
Format	Color
R _Y B	159, 89, 249
Decimal	10443257
CIE Lab	53.34, 59.38, -69.45
CIE LCh	53, 91.377, 310.531
Yxy	21.3552, 0.2359, 0.1441
Android (android.graphics.Color)	4288633337 (0xFF9F59F9)
YUV	128.1700, 59.5692, 27.0379
Hunter-Lab	46.2117, 54.1669, -85.5375

Details

The Yxy color **21.3552, 0.2359, 0.1441** 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 **78.0490, 0.3525, 0.5068**, and the grayscale version is **21.4432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.7703, 0.2865, 0.2107**, and **7.6730, 0.2093, 0.1053** is the 20% darker color. If you saturate the color by 10%, you get **16.5356, 0.2213, 0.1195**, and if you desaturate by 10%, it is **27.7393, 0.2507, 0.1724**.

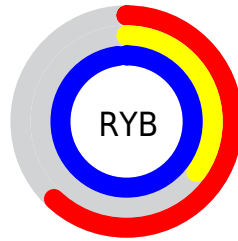
Distribution



Red (62%)

Green (35%)

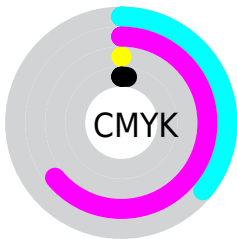
Blue (98%)



Red (62%)

Yellow (35%)

Blue (98%)

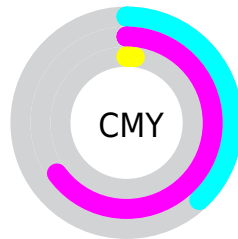


Cyan (36%)

Magenta (64%)

Yellow (0%)

Black (2%)



Cyan (38%)


Magenta (65%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3552, 0.2359, 0.1441 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 21.3552, 0.2359, 0.1441 by changing the saturation by 10% instead.


 21.3552, 0.2359,
0.1441


 21.3552, 0.2359,
0.1441


259.1602, 0.2796,
0.2294

 13.3839, 0.2242,
0.1261


 45.6779, 0.2525,
0.1728

 7.6934, 0.2091,
0.1051


 62.7982, 0.2586,
0.1843

 3.8994, 0.1892,
0.0809


 83.7368, 0.2636,
0.1943

 1.6175, 0.1625,
0.0539

 108.8783, 0.2679,
0.2031

 0.3693, 0.1273,
0.0213

138.6069, 0.2715,
0.2108

 0.0000, 0.0807,
0.0000

173.3072, 0.2745,

 0.0000, 0.0000,

0.2177

0.0000

213.3635, 0.2772,
0.2238

■ 21.3552, 0.2359,
0.1441

■ 21.3552, 0.2359,
0.1441

■ 16.5356, 0.2213,
0.1195

■ 27.7393, 0.2507,
0.1724

■ 13.1251, 0.2075,
0.1002

■ 35.8180, 0.2649,
0.2027


■ 10.9379, 0.1952,
0.0869


■ 45.7101, 0.2781,
0.2336

■ 10.0795, 0.1889,
0.0814

■ 57.5225, 0.2899,
0.2637

■ 71.3538, 0.3003,
0.2922

 87.2956, 0.3093,
0.3185

 99.6181, 0.3162,
0.3348

Harmonies

Analogous

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



21.3552, 0.1404, 0.1255



21.3552, 0.2359, 0.1441



21.3552, 0.3921, 0.1929

Triad

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



21.3552, 0.2359, 0.1441



21.3552, 0.5551, 0.4366



21.3552, 0.1107, 0.3405

Complementary

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



21.3552, 0.2359, 0.1441



78.0490, 0.3525, 0.5068

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.



21.3552, 0.1911, 0.5576



21.3552, 0.2359, 0.1441



21.3552, 0.4427, 0.5535

Square

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



21.3552, 0.2359, 0.1441



21.3552, 0.6097, 0.3427



21.3552, 0.3117, 0.6373



21.3552, 0.0846, 0.1968

Rectangle

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



21.3552, 0.2359, 0.1441



21.3552, 0.5060, 0.2391



21.3552, 0.3117, 0.6373



21.3552, 0.1309, 0.4115

Sweetspot

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



21.3559, 0.2359, 0.1441



68.0779, 0.2955, 0.2788



41.4732, 0.2146, 0.2376



13.6927, 0.2925, 0.2706



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.



21.3559, 0.2359, 0.1441



16.2855, 0.2172, 0.1134



32.2207, 0.3094, 0.1779



17.0142, 0.3048, 0.3050



5.4772, 0.1906, 0.0823



0.5688, 0.2038, 0.0896

Inverse Universe

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



30.5434, 0.3991, 0.2401



27.2227, 0.4255, 0.2318



71.1510, 0.3073, 0.5346



17.3889, 0.3205, 0.3157



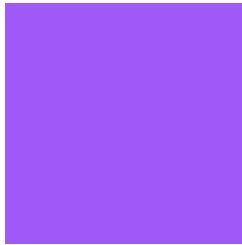
11.8254, 0.4697, 0.2361



1.1165, 0.4470, 0.2236

Previews

White Background



This preview shows how the Yxy color 21.3552, 0.2359, 0.1441 looks on a white background.

Color Contrast Check

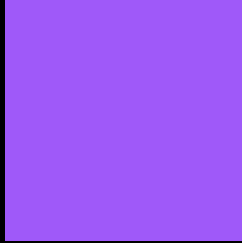
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3552, 0.2359, 0.1441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

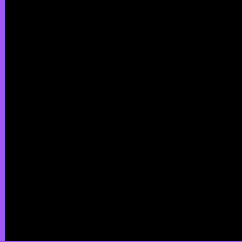
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3552, 0.2359, 0.1441

Background



This preview shows how black text looks on a background with the Yxy color 21.3552, 0.2359, 0.1441.



This preview shows how white text looks on a background with the Yxy color 21.3552, 0.2359, 0.1441.

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

21.3552, 0.2359, 0.1441

Protanopia

21.7260, 0.1779, 0.1499

Deuteranopia

21.5667, 0.1833, 0.1798



Tritanopia

21.2597, 0.3159, 0.3133

Trichromacy



Original Color

21.3552, 0.2359, 0.1441



Protanomaly

20.1230, 0.1874, 0.1415



Deuteranomaly

19.2171, 0.1855, 0.1549



Tritanomaly

20.3933, 0.2816, 0.2304

Monochromacy



Original Color

21.3552, 0.2359, 0.1441



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

20.5022, 0.2793, 0.2375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3552, 0.2359, 0.1441 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(159, 89, 249)` looks like.

```
.text, #text, p{  
    color:rgb(159, 89, 249)  
}
```

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(159, 89, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 89, 249) }
```

Border

The CSS property to change the border of an element to Yxy 21.3552, 0.2359, 0.1441 is called "border". The border property can be set on classes, ids or directly on the HTML element.

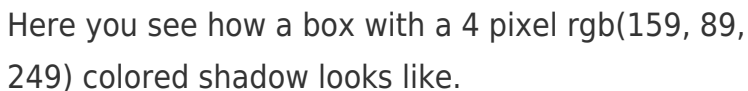
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 89, 249) }
```

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

```
.border{ border-color:rgb(159, 89, 249) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 89, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 89, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 89, 249);  
box-shadow:4px 4px 4px 4px rgb(159, 89,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3552, 0.2359, 0.1441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 89, 249) }
```

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

```
.background{ background-color: rgb(159, 89,  
249) }
```

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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