

Converting Colors

$Y_{xy}(21.6883, 0.2453, 0.1504)$

Have a look what the booklet for
Yxy(21.6883, 0.2453, 0.1504)
contains.

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Color

Yxy(21.6152, 0.2449, 0.1501)

Conversions

Conversions Part 1

Format	Color
Hex	A559F3
RGB	165, 89, 243
RGB Percent	65%, 35%, 95%
CMY	0.3530, 0.6510, 0.0470
CMYK	0.32, 0.63, 0.00, 0.05
HSL	270°, 87%, 65%
HSV	270°, 63%, 95%
XYZ	35.2669, 21.6152, 87.1232
YIQ	129.2800, -4.1380, 64.0060

Conversions

Conversions Part 2

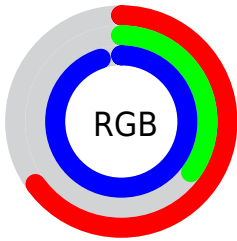
Format	Color
R _Y B	165, 89, 243
Decimal	10836467
CIE Lab	53.62, 59.22, -65.65
CIE LCh	54, 88.412, 312.054
Yxy	21.6152, 0.2449, 0.1501
Android (android.graphics.Color)	4289026547 (0xFFA559F3)
YUV	129.2800, 56.0640, 31.3264
Hunter-Lab	46.4921, 54.0410, -78.5610

Details

The Yxy color **21.6152, 0.2449, 0.1501** 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 **73.0547, 0.3464, 0.5081**, and the grayscale version is **21.8576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7122, 0.2915, 0.2124**, and **7.8150, 0.2200, 0.1109** is the 20% darker color. If you saturate the color by 10%, you get **16.9596, 0.2314, 0.1261**, and if you desaturate by 10%, it is **27.7338, 0.2583, 0.1777**.

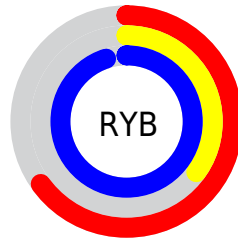
Distribution



Red (65%)

Green (35%)

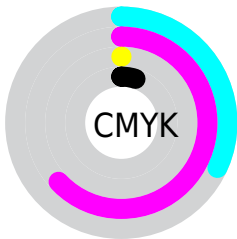
Blue (95%)



Red (65%)

Yellow (35%)

Blue (95%)

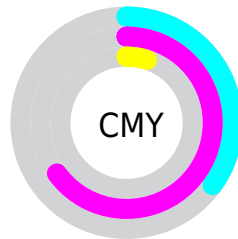


Cyan (32%)

Magenta (63%)

Yellow (0%)

Black (5%)



Cyan (35%)


Magenta (65%)


Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.6152, 0.2449, 0.1501 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 21.6152, 0.2449, 0.1501 by changing the saturation by 10% instead.


 21.6152, 0.2449,
0.1501


 21.6152, 0.2449,
0.1501


260.5301, 0.2841,
0.2333


 13.5744, 0.2342,
0.1322


 46.1092, 0.2600,
0.1783

 7.8253, 0.2201,
0.1112

 63.3312, 0.2655,
0.1895

 3.9834, 0.2013,
0.0867


 84.3824, 0.2699,
0.1993

 1.6643, 0.1756,
0.0589

 109.6472, 0.2737,
0.2078

 0.4003, 0.1408,
0.0249

139.5099, 0.2769,
0.2153

 0.0000, 0.0928,
0.0000

174.3551, 0.2796,

 0.0000, 0.0000,

0.2220

0.0000

214.5670, 0.2820,
0.2280

■ 21.6152, 0.2449,
0.1501

■ 21.6152, 0.2449,
0.1501

■ 16.9596, 0.2314,
0.1261

■ 27.7338, 0.2583,
0.1777

■ 13.6239, 0.2184,
0.1069

■ 35.4349, 0.2711,
0.2072


■ 11.4387, 0.2065,
0.0935

■ 44.8283, 0.2828,
0.2373


■ 10.4575, 0.1994,
0.0872

■ 56.0126, 0.2933,
0.2668

■ 69.0790, 0.3025,
0.2947

 84.1123, 0.3103,
0.3207

 98.5346, 0.3173,
0.3406

 99.2523, 0.3197,
0.3405

Harmonies

Analogous

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



21.6152, 0.1480, 0.1302



21.6152, 0.2449, 0.1501



21.6152, 0.3985, 0.1998

Triad

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



21.6152, 0.2449, 0.1501



21.6152, 0.5457, 0.4424



21.6152, 0.1137, 0.3316

Complementary

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



21.6152, 0.2449, 0.1501



73.0547, 0.3464, 0.5081

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.



21.6152, 0.1908, 0.5384



21.6152, 0.2449, 0.1501



21.6152, 0.4353, 0.5540

Square

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



21.6152, 0.2449, 0.1501



21.6152, 0.6012, 0.3494



21.6152, 0.3086, 0.6278



21.6152, 0.0892, 0.1969

Rectangle

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



21.6152, 0.2449, 0.1501



21.6152, 0.5070, 0.2459



21.6152, 0.3086, 0.6278



21.6152, 0.1329, 0.3982

Sweetspot

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



21.6160, 0.2449, 0.1501



68.5258, 0.2974, 0.2791



36.8165, 0.2133, 0.2282



13.8005, 0.2947, 0.2709



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.



21.6160, 0.2449, 0.1501



17.7277, 0.2276, 0.1201



32.2228, 0.3170, 0.1829



16.3281, 0.3057, 0.3051



5.8183, 0.2010, 0.0881



0.5724, 0.2145, 0.0955

Inverse Universe

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



28.9956, 0.4090, 0.2496



27.1357, 0.4395, 0.2423



67.0882, 0.3041, 0.5337



16.6226, 0.3214, 0.3171



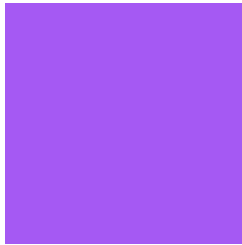
11.2717, 0.4932, 0.2491



1.0114, 0.4657, 0.2339

Previews

White Background



This preview shows how the Yxy color 21.6152, 0.2449, 0.1501 looks on a white background.

Color Contrast Check

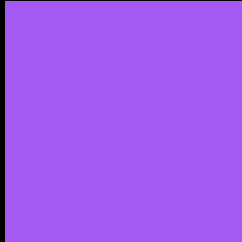
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6152, 0.2449, 0.1501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

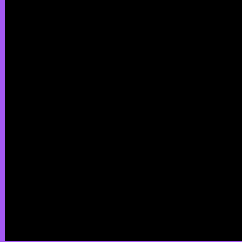
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6152, 0.2449, 0.1501

Background



This preview shows how black text looks on a background with the Yxy color 21.6152, 0.2449, 0.1501.



This preview shows how white text looks on a background with the Yxy color 21.6152, 0.2449, 0.1501.

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

21.6152, 0.2449, 0.1501

Protanopia

22.0666, 0.1792, 0.1515

Deuteranopia

22.0021, 0.1830, 0.1786



Tritanopia

21.5143, 0.3282, 0.3121

Trichromacy



Original Color

21.6152, 0.2449, 0.1501



Protanomaly

20.2652, 0.1906, 0.1439



Deuteranomaly

19.4496, 0.1868, 0.1572



Tritanomaly

20.8058, 0.2936, 0.2352

Monochromacy



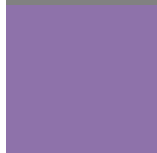
Original Color

21.6152, 0.2449, 0.1501



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

20.6877, 0.2845, 0.2410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6152, 0.2449, 0.1501 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(165, 89, 243)` looks like.

```
.text, #text, p{  
    color:rgb(165, 89, 243)  
}
```

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(165, 89, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 89, 243) }
```

Border

The CSS property to change the border of an element to Yxy 21.6152, 0.2449, 0.1501 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(165, 89, 243) }
```

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

```
.border{ border-color:rgb(165, 89, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 89, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 89, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 89, 243);  
box-shadow:4px 4px 4px 4px rgb(165, 89,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6152, 0.2449, 0.1501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 89, 243) }
```

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

```
.background{ background-color: rgb(165, 89,  
243) }
```

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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