

Converting Colors

$Y_{xy}(21.2425, 0.2371, 0.1557)$

Have a look what the booklet for
Yxy(21.2425, 0.2371, 0.1557)
contains.

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Color

Yxy(21.2431, 0.2375, 0.1561)

Conversions

Conversions Part 1

Format	Color
Hex	9761ED
RGB	151, 97, 237
RGB Percent	59%, 38%, 93%
CMY	0.4079, 0.6196, 0.0706
CMYK	0.36, 0.59, 0.00, 0.07
HSL	263°, 80%, 65%
HSV	263°, 59%, 93%
XYZ	32.3205, 21.2431, 82.5228
YIQ	129.1060, -12.7560, 54.9880

Conversions

Conversions Part 2

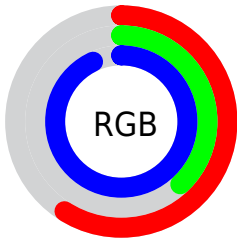
Format	Color
R _Y B	151, 97, 237
Decimal	9921005
CIE Lab	53.21, 50.65, -63.01
CIE LCh	53, 80.849, 308.795
Yxy	21.2431, 0.2375, 0.1561
Android (android.graphics.Color)	4288111085 (0xFF9761ED)
YUV	129.1060, 53.1917, 19.2010
Hunter-Lab	46.0902, 44.5143, -73.8934

Details

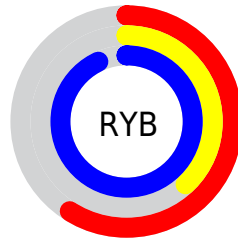
The Yxy color **21.2431, 0.2375, 0.1561** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **71.5084, 0.3564, 0.4902**, and the grayscale version is **21.8062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5880, 0.2794, 0.2154**, and **7.5764, 0.2105, 0.1162** is the 20% darker color. If you saturate the color by 10%, you get **16.1900, 0.2217, 0.1286**, and if you desaturate by 10%, it is **27.7777, 0.2532, 0.1864**.

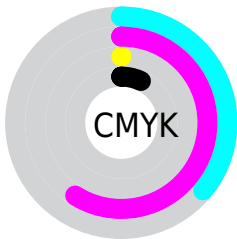
Distribution



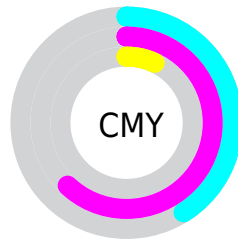
- Red (59%)
- Green (38%)
- Blue (93%)



- Red (59%)
- Yellow (38%)
- Blue (93%)



- Cyan (36%)
- Magenta (59%)
- Yellow (0%)
- Black (7%)





- Cyan (41%)
- Magenta (62%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2431, 0.2375, 0.1561 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 21.2431, 0.2375, 0.1561 by changing the saturation by 10% instead.


 21.2431, 0.2375,
0.1561


 21.2431, 0.2375,
0.1561


258.5676, 0.2802,
0.2381


 13.3018, 0.2259,
0.1381


 45.4918, 0.2538,
0.1842

 7.6367, 0.2109,
0.1167


 62.5679, 0.2597,
0.1953

 3.8634, 0.1908,
0.0914


 83.4579, 0.2646,
0.2049

 1.5974, 0.1634,
0.0623

 108.5460, 0.2688,
0.2133

 0.3559, 0.1268,
0.0250

138.2166, 0.2723,
0.2206

 0.0000, 0.0725,
0.0000

172.8541, 0.2753,

 0.0000, 0.0000,

0.2271

0.0000

212.8430, 0.2779,
0.2329

■ 21.2431, 0.2375,
0.1561

■ 21.2431, 0.2375,
0.1561

■ 16.1900, 0.2217,
0.1286

■ 27.7777, 0.2532,
0.1864

■ 12.4895, 0.2066,
0.1057

■ 35.9033, 0.2680,
0.2179

■ 9.9932, 0.1931,
0.0887


■ 45.7210, 0.2816,
0.2489

■ 8.4754, 0.1816,
0.0778


■ 57.3231, 0.2938,
0.2786

■ 8.3575, 0.1807,
0.0769

■ 70.7947, 0.3044,
0.3061

 86.2155, 0.3135,
0.3312

 98.5043, 0.3219,
0.3464

 98.8949, 0.3232,
0.3464

Harmonies

Analogous

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



21.2431, 0.1504, 0.1400



21.2431, 0.2375, 0.1561



21.2431, 0.3759, 0.2012

Triad

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



21.2431, 0.2375, 0.1561



21.2431, 0.5441, 0.4324



21.2431, 0.1315, 0.3525

Complementary

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



21.2431, 0.2375, 0.1561



71.5084, 0.3564, 0.4902

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.



21.2431, 0.2127, 0.5361



21.2431, 0.2375, 0.1561



21.2431, 0.4462, 0.5330

Square

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



21.2431, 0.2375, 0.1561



21.2431, 0.5831, 0.3453



21.2431, 0.3280, 0.6030



21.2431, 0.1011, 0.2167

Rectangle

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



21.2431, 0.2375, 0.1561



21.2431, 0.4774, 0.2447



21.2431, 0.3280, 0.6030



21.2431, 0.1528, 0.4147

Sweetspot

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



21.2438, 0.2375, 0.1561



69.1674, 0.2949, 0.2814



42.6655, 0.2238, 0.2566



13.8864, 0.2916, 0.2730



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.



21.2438, 0.2375, 0.1561



18.0170, 0.2183, 0.1231



29.9877, 0.3031, 0.1844



14.8320, 0.3040, 0.3051



4.6326, 0.1823, 0.0778



0.4177, 0.1978, 0.0863

Inverse Universe

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



29.9782, 0.3795, 0.2383



29.6625, 0.4002, 0.2263



64.9696, 0.3118, 0.5154



15.2096, 0.3197, 0.3146



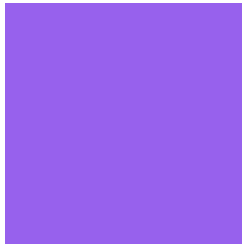
10.9832, 0.4479, 0.2241



0.8812, 0.4256, 0.2118

Previews

White Background



This preview shows how the Yxy color 21.2431, 0.2375, 0.1561 looks on a white background.

Color Contrast Check

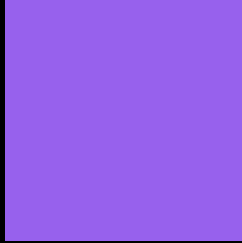
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2431, 0.2375, 0.1561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

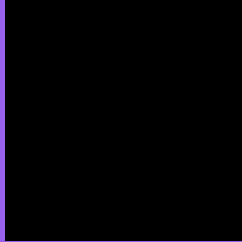
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2431, 0.2375, 0.1561

Background



This preview shows how black text looks on a background with the Yxy color 21.2431, 0.2375, 0.1561.



This preview shows how white text looks on a background with the Yxy color 21.2431, 0.2375, 0.1561.

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

21.2431, 0.2375, 0.1561

Protanopia

21.7432, 0.1781, 0.1499

Deuteranopia

21.3577, 0.1826, 0.1773



Tritanopia

21.1623, 0.3076, 0.3113

Trichromacy



Original Color

21.2431, 0.2375, 0.1561



Protanomaly

20.3897, 0.1889, 0.1480



Deuteranomaly

19.3610, 0.1863, 0.1603



Tritanomaly

20.6433, 0.2783, 0.2388

Monochromacy



Original Color

21.2431, 0.2375, 0.1561



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

20.8681, 0.2812, 0.2471

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2431, 0.2375, 0.1561 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(151, 97, 237)` looks like.

```
.text, #text, p{  
    color:rgb(151, 97, 237)  
}
```

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(151, 97, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 97, 237) }
```

Border

The CSS property to change the border of an element to Yxy 21.2431, 0.2375, 0.1561 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(151, 97, 237) }
```

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

```
.border{ border-color:rgb(151, 97, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 97, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 97, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 97, 237);  
box-shadow:4px 4px 4px 4px rgb(151, 97,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2431, 0.2375, 0.1561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 97, 237) }
```

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

```
.background{ background-color: rgb(151, 97,  
237) }
```

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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