

Converting Colors

$Y_{xy}(21.2885, 0.2410, 0.1580)$

Have a look what the booklet for
Yxy(21.2885, 0.2410, 0.1580)
contains.

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Color

Yxy(21.4176, 0.2414, 0.1586)

Conversions

Conversions Part 1

Format	Color
Hex	9A61EB
RGB	154, 97, 235
RGB Percent	60%, 38%, 92%
CMY	0.3960, 0.6196, 0.0784
CMYK	0.34, 0.59, 0.00, 0.08
HSL	265°, 78%, 65%
HSV	265°, 59%, 92%
XYZ	32.5990, 21.4176, 81.0250
YIQ	129.7750, -10.3260, 55.0020

Conversions

Conversions Part 2

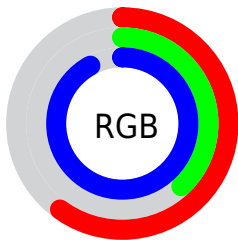
Format	Color
RYB	154, 97, 235
Decimal	10117611
CIELab	53.40, 50.84, -61.58
CIElCh	53, 79.852, 309.544
Yxy	21.4176, 0.2414, 0.1586
Android (android.graphics.Color)	4288307691 (0xFF9A61EB)
YUV	129.7750, 51.8759, 21.2453
Hunter-Lab	46.2792, 44.7469, -71.4088

Details

The Yxy color **21.4176, 0.2414, 0.1586** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **69.7542, 0.3535, 0.4908**, and the grayscale version is **22.0563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.0297, 0.2818, 0.2161**, and **7.7097, 0.2161, 0.1195** is the 20% darker color. If you saturate the color by 10%, you get **16.4234, 0.2262, 0.1314**, and if you desaturate by 10%, it is **27.8548, 0.2564, 0.1886**.

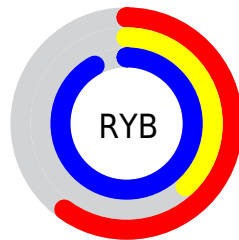
Distribution



Red (60%)

Green (38%)

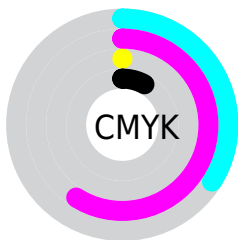
Blue (92%)



Red (60%)

Yellow (38%)

Blue (92%)

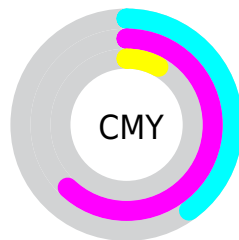


Cyan (34%)

Magenta (59%)

Yellow (0%)

Black (8%)



Cyan (40%)


Magenta (62%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4176, 0.2414, 0.1586 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 21.4176, 0.2414, 0.1586 by changing the saturation by 10% instead.


 21.4176, 0.2414,
0.1586


 21.4176, 0.2414,
0.1586


259.4896, 0.2821,
0.2396


 13.4296, 0.2303,
0.1407


 45.7815, 0.2570,
0.1865


 7.7250, 0.2157,
0.1194


 62.9262, 0.2627,
0.1974

 3.9195, 0.1962,
0.0941


 83.8919, 0.2674,
0.2069

 1.6286, 0.1693,
0.0648

 109.0630, 0.2713,
0.2151

 0.3768, 0.1330,
0.0271

138.8240, 0.2746,
0.2224

 0.0000, 0.0787,
0.0000

173.5591, 0.2774,

 0.0000, 0.0000,

0.2288

0.0000

213.6528, 0.2799,
0.2345

■ 21.4176, 0.2414,
0.1586

■ 21.4176, 0.2414,
0.1586

■ 16.4234, 0.2262,
0.1314

■ 27.8548, 0.2564,
0.1886

■ 12.7473, 0.2114,
0.1087

■ 35.8409, 0.2706,
0.2196

■ 10.2458, 0.1980,
0.0916


■ 45.4739, 0.2836,
0.2503

■ 8.7073, 0.1865,
0.0806


■ 56.8432, 0.2951,
0.2797

■ 8.5449, 0.1851,
0.0793

■ 70.0313, 0.3051,
0.3070

 85.1157, 0.3137,
0.3320

 97.9474, 0.3216,
0.3485

 98.7791, 0.3244,
0.3483

Harmonies

Analogous

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



21.4176, 0.1536, 0.1419



21.4176, 0.2414, 0.1586



21.4176, 0.3790, 0.2041

Triad

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



21.4176, 0.2414, 0.1586



21.4176, 0.5402, 0.4349



21.4176, 0.1324, 0.3482

Complementary

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



21.4176, 0.2414, 0.1586



69.7542, 0.3535, 0.4908

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.



21.4176, 0.2119, 0.5286



21.4176, 0.2414, 0.1586



21.4176, 0.4430, 0.5338

Square

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



21.4176, 0.2414, 0.1586



21.4176, 0.5799, 0.3480



21.4176, 0.3259, 0.5995



21.4176, 0.1029, 0.2162

Rectangle

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



21.4176, 0.2414, 0.1586



21.4176, 0.4785, 0.2476



21.4176, 0.3259, 0.5995



21.4176, 0.1531, 0.4088

Sweetspot

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



21.4184, 0.2414, 0.1586



69.3739, 0.2958, 0.2815



41.1051, 0.2236, 0.2538



13.9365, 0.2926, 0.2732



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.



21.4184, 0.2414, 0.1586



18.9644, 0.2238, 0.1275



29.9533, 0.3055, 0.1861



14.8528, 0.3044, 0.3051



4.8256, 0.1867, 0.0802



0.4341, 0.2022, 0.0888

Inverse Universe

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



29.4278, 0.3838, 0.2425



29.8451, 0.4051, 0.2315



63.6553, 0.3106, 0.5149



15.2024, 0.3201, 0.3153



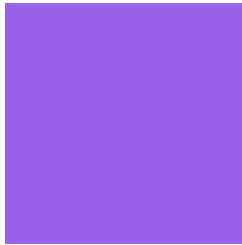
10.8759, 0.4592, 0.2303



0.8731, 0.4348, 0.2169

Previews

White Background



This preview shows how the Yxy color 21.4176, 0.2414, 0.1586 looks on a white background.

Color Contrast Check

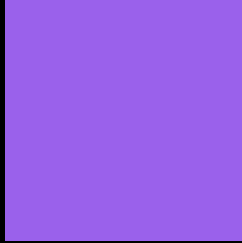
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4176, 0.2414, 0.1586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

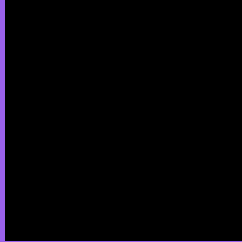
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4176, 0.2414, 0.1586

Background



This preview shows how black text looks on a background with the Yxy color 21.4176, 0.2414, 0.1586.



This preview shows how white text looks on a background with the Yxy color 21.4176, 0.2414, 0.1586.

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

21.4176, 0.2414, 0.1586

Protanopia

21.7980, 0.1786, 0.1501

Deuteranopia

21.8136, 0.1861, 0.1807



Tritanopia

21.4568, 0.3135, 0.3133

Trichromacy



Original Color

21.4176, 0.2414, 0.1586



Protanomaly

20.5174, 0.1901, 0.1485



Deuteranomaly

20.1822, 0.1942, 0.1652



Tritanomaly

20.8645, 0.2825, 0.2409

Monochromacy



Original Color

21.4176, 0.2414, 0.1586



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

21.2730, 0.2835, 0.2493

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4176, 0.2414, 0.1586 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(154, 97, 235)` looks like.

```
.text, #text, p{  
    color:rgb(154, 97, 235)  
}
```

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(154, 97, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 97, 235) }
```

Border

The CSS property to change the border of an element to Yxy 21.4176, 0.2414, 0.1586 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(154, 97, 235) }
```

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

```
.border{ border-color:rgb(154, 97, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 97, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 97, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 97, 235);  
box-shadow:4px 4px 4px 4px rgb(154, 97,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4176, 0.2414, 0.1586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 97, 235) }
```

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

```
.background{ background-color: rgb(154, 97,  
235) }
```

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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