

Converting Colors

$Y_{xy}(19.5396, 0.2353, 0.1606)$

Have a look what the booklet for
Yxy(19.5396, 0.2353, 0.1606)
contains.

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Color

Yxy(19.5611, 0.2356, 0.1607)

Conversions

Conversions Part 1

Format	Color
Hex	8C61E1
RGB	140, 97, 225
RGB Percent	55%, 38%, 88%
CMY	0.4510, 0.6196, 0.1177
CMYK	0.38, 0.57, 0.00, 0.12
HSL	260°, 68%, 63%
HSV	260°, 57%, 88%
XYZ	28.6783, 19.5611, 73.4850
YIQ	124.4490, -15.4600, 48.9240

Conversions

Conversions Part 2

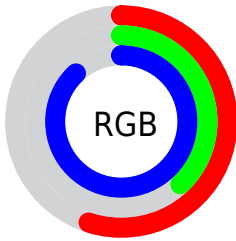
Format	Color
R _Y B	140, 97, 225
Decimal	9200097
CIE Lab	51.34, 45.11, -59.33
CIE LCh	51, 74.535, 307.245
Yxy	19.5611, 0.2356, 0.1607
Android (android.graphics.Color)	4287390177 (0xFF8C61E1)
YUV	124.4490, 49.5716, 13.6382
Hunter-Lab	44.2279, 38.3440, -67.5511

Details

The Yxy color **19.5611, 0.2356, 0.1607** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **64.6475, 0.3603, 0.4815**, and the grayscale version is **20.1498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7207, 0.2705, 0.2115**, and **6.8175, 0.2074, 0.1200** is the 20% darker color. If you saturate the color by 10%, you get **14.7658, 0.2189, 0.1317**, and if you desaturate by 10%, it is **25.7126, 0.2521, 0.1921**.

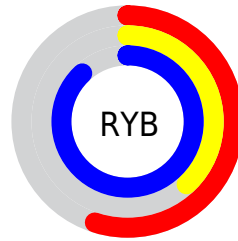
Distribution



Red (55%)

Green (38%)

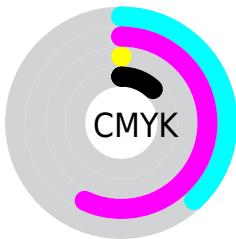
Blue (88%)



Red (55%)

Yellow (38%)

Blue (88%)

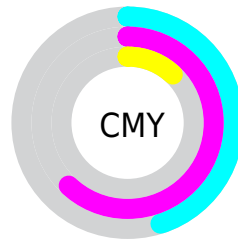


Cyan (38%)

Magenta (57%)

Yellow (0%)

Black (12%)



Cyan (45%)


Magenta (62%)


Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.5611, 0.2356, 0.1607 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 19.5611, 0.2356, 0.1607 by changing the saturation by 10% instead.


 19.5611, 0.2356,
0.1607


 19.5611, 0.2356,
0.1607


249.5291, 0.2796,
0.2425


 12.0764, 0.2235,
0.1422


 42.6801, 0.2526,
0.1892


 6.7957, 0.2075,
0.1199

 59.0832, 0.2587,
0.2003

 3.3347, 0.1860,
0.0933


 79.2279, 0.2637,
0.2099

 1.3089, 0.1565,
0.0623

 103.4986, 0.2680,
0.2182

 0.1480, 0.1176,
0.0133

132.2796, 0.2715,
0.2254

 0.0000, 0.0360,
0.0000

165.9555, 0.2746,

 0.0000, 0.0000,

0.2318

0.0000

204.9105, 0.2773,
0.2374

■ 19.5611, 0.2356,
0.1607

■ 19.5611, 0.2356,
0.1607

■ 14.7658, 0.2189,
0.1317

■ 25.7126, 0.2521,
0.1921

■ 11.2151, 0.2030,
0.1071

■ 33.3155, 0.2678,
0.2241

■ 8.7821, 0.1888,
0.0883


■ 42.4586, 0.2821,
0.2553


■ 7.3036, 0.1770,
0.0761


■ 53.2228, 0.2948,
0.2847

■ 6.9548, 0.1737,
0.0731

■ 65.6833, 0.3060,
0.3118

 79.9106, 0.3155,
0.3364

 95.9709, 0.3237,
0.3583

 98.2153, 0.3304,
0.3582

Harmonies

Analogous

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



19.5611, 0.1533, 0.1466



19.5611, 0.2356, 0.1607



19.5611, 0.3658, 0.2034

Triad

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



19.5611, 0.2356, 0.1607



19.5611, 0.5404, 0.4280



19.5611, 0.1421, 0.3612

Complementary

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



19.5611, 0.2356, 0.1607



64.6475, 0.3603, 0.4815

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.



19.5611, 0.2241, 0.5305



19.5611, 0.2356, 0.1607



19.5611, 0.4501, 0.5227

Square

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



19.5611, 0.2356, 0.1607



19.5611, 0.5708, 0.3437



19.5611, 0.3369, 0.5883



19.5611, 0.1089, 0.2276

Rectangle

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



19.5611, 0.2356, 0.1607



19.5611, 0.4623, 0.2452



19.5611, 0.3369, 0.5883



19.5611, 0.1640, 0.4199

Sweetspot

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



19.5618, 0.2356, 0.1607



70.3355, 0.2946, 0.2841



41.5659, 0.2289, 0.2694



14.3996, 0.2921, 0.2783



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.



19.5618, 0.2356, 0.1607



18.7573, 0.2163, 0.1275



26.7746, 0.2972, 0.1865



13.4659, 0.3033, 0.3051



4.0658, 0.1752, 0.0739



0.3297, 0.1923, 0.0833

Inverse Universe

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



27.9325, 0.3677, 0.2347



31.2540, 0.3839, 0.2211



58.5791, 0.3158, 0.5056



13.8533, 0.3189, 0.3136



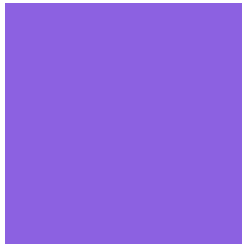
10.5048, 0.4279, 0.2131



0.7446, 0.4073, 0.2017

Previews

White Background



This preview shows how the Yxy color 19.5611, 0.2356, 0.1607 looks on a white background.

Color Contrast Check

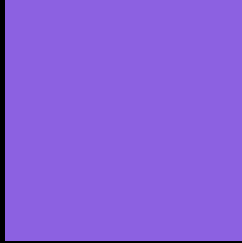
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5611, 0.2356, 0.1607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

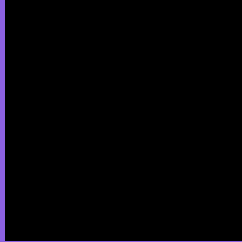
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.5611, 0.2356, 0.1607

Background



This preview shows how black text looks on a background with the Yxy color 19.5611, 0.2356, 0.1607.



This preview shows how white text looks on a background with the Yxy color 19.5611, 0.2356, 0.1607.

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

19.5611, 0.2356, 0.1607

Protanopia

19.9335, 0.1770, 0.1484

Deuteranopia

19.7364, 0.1856, 0.1796



Tritanopia

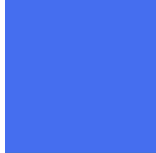
19.5781, 0.2992, 0.3105

Trichromacy



Original Color

19.5611, 0.2356, 0.1607



Protanomaly

18.6491, 0.1870, 0.1477



Deuteranomaly

18.4484, 0.1932, 0.1667



Tritanomaly

19.0755, 0.2718, 0.2407

Monochromacy



Original Color

19.5611, 0.2356, 0.1607



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

19.3537, 0.2801, 0.2503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5611, 0.2356, 0.1607 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(140, 97, 225)` looks like.

```
.text, #text, p{  
  color:rgb(140, 97, 225)  
}
```

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(140, 97, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 97, 225) }
```

Border

The CSS property to change the border of an element to Yxy 19.5611, 0.2356, 0.1607 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(140, 97, 225) }
```

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

```
.border{ border-color:rgb(140, 97, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 97, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 97, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 97, 225);  
box-shadow:4px 4px 4px 4px rgb(140, 97,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5611, 0.2356, 0.1607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 97, 225) }
```

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

```
.background{ background-color: rgb(140, 97,  
225) }
```

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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