

Converting Colors

$Y_{xy}(19.6067, 0.2458, 0.1547)$

Have a look what the booklet for
Yxy(19.6067, 0.2458, 0.1547)
contains.

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Color

Yxy(19.6052, 0.2452, 0.1543)

Conversions

Conversions Part 1

Format	Color
Hex	9B58E5
RGB	155, 88, 229
RGB Percent	61%, 35%, 90%
CMY	0.3921, 0.6550, 0.1018
CMYK	0.32, 0.62, 0.00, 0.10
HSL	269°, 73%, 62%
HSV	269°, 62%, 90%
XYZ	31.1549, 19.6052, 76.2989
YIQ	124.1070, -5.3290, 58.0550

Conversions

Conversions Part 2

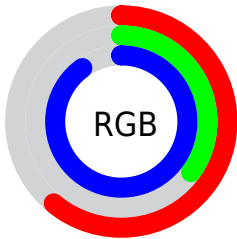
Format	Color
R_{YB}	155, 88, 229
Decimal	10180837
CIE _{Lab}	51.39, 54.28, -61.46
CIE _{LCh}	51, 81.997, 311.452
Yxy	19.6052, 0.2452, 0.1543
Android (android.graphics.Color)	4288370917 (0xFF9B58E5)
YUV	124.1070, 51.7122, 27.0932
Hunter-Lab	44.2778, 48.1107, -71.1734

Details

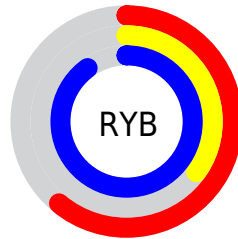
The Yxy color **19.6052, 0.2452, 0.1543** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **64.4480, 0.3479, 0.5017**, and the grayscale version is **20.0188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4159, 0.2822, 0.2073**, and **6.8159, 0.2191, 0.1133** is the 20% darker color. If you saturate the color by 10%, you get **15.2878, 0.2313, 0.1292**, and if you desaturate by 10%, it is **25.2230, 0.2589, 0.1826**.

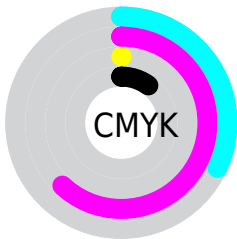
Distribution



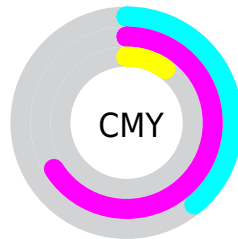
- Red (61%)
- Green (35%)
- Blue (90%)



- Red (61%)
- Yellow (35%)
- Blue (90%)



- Cyan (32%)
- Magenta (62%)
- Yellow (0%)
- Black (10%)




- Cyan (39%)
- Magenta (66%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6052, 0.2452, 0.1543 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 19.6052, 0.2452, 0.1543 by changing the saturation by 10% instead.


 19.6052, 0.2452,
0.1543


 19.6052, 0.2452,
0.1543


249.7697, 0.2847,
0.2377


 12.1084, 0.2341,
0.1358


 42.7543, 0.2606,
0.1831

 6.8175, 0.2194,
0.1138


 59.1753, 0.2661,
0.1944

 3.3483, 0.1994,
0.0878


 79.3399, 0.2706,
0.2041

 1.3161, 0.1716,
0.0580

 103.6324, 0.2744,
0.2126

 0.1536, 0.1345,
0.0126

132.4373, 0.2776,
0.2201

 0.0000, 0.0701,
0.0000

166.1389, 0.2803,

 0.0000, 0.0000,

0.2267

0.0000

205.1215, 0.2826,
0.2325

■ 19.6052, 0.2452,
0.1543

■ 19.6052, 0.2452,
0.1543

■ 15.2878, 0.2313,
0.1292

■ 25.2230, 0.2589,
0.1826

■ 12.1504, 0.2179,
0.1088

■ 32.2425, 0.2719,
0.2125

■ 10.0523, 0.2055,
0.0940

■ 40.7571, 0.2838,
0.2427


■ 8.8994, 0.1962,
0.0855

■ 50.8512, 0.2944,
0.2720

■ 62.6029, 0.3036,
0.2996

 76.0850, 0.3116,
0.3252

 91.3658, 0.3183,
0.3484

 97.7215, 0.3255,
0.3544

 98.4393, 0.3279,
0.3542

Harmonies

Analogous

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



19.6052, 0.1515, 0.1353



19.6052, 0.2452, 0.1543



19.6052, 0.3923, 0.2026

Triad

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



19.6052, 0.2452, 0.1543



19.6052, 0.5422, 0.4407



19.6052, 0.1210, 0.3363

Complementary

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



19.6052, 0.2452, 0.1543



64.4480, 0.3479, 0.5017

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.



19.6052, 0.1985, 0.5316



19.6052, 0.2452, 0.1543



19.6052, 0.4371, 0.5468

Square

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



19.6052, 0.2452, 0.1543



19.6052, 0.5921, 0.3502



19.6052, 0.3145, 0.6155



19.6052, 0.0950, 0.2039

Rectangle

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



19.6052, 0.2452, 0.1543



19.6052, 0.4965, 0.2478



19.6052, 0.3145, 0.6155



19.6052, 0.1406, 0.4000

Sweetspot

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



19.6059, 0.2452, 0.1543



69.8438, 0.2978, 0.2818



34.0042, 0.2168, 0.2355



14.0505, 0.2949, 0.2736



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.



19.6059, 0.2452, 0.1543



18.2153, 0.2274, 0.1228



28.5379, 0.3146, 0.1852



14.2213, 0.3054, 0.3052



5.1570, 0.1978, 0.0863



0.4361, 0.2139, 0.0952

Inverse Universe

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



26.2512, 0.4009, 0.2486



27.9207, 0.4296, 0.2397



59.0755, 0.3055, 0.5266



14.4938, 0.3210, 0.3167



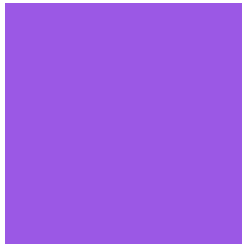
10.3268, 0.4849, 0.2445



0.7819, 0.4544, 0.2277

Previews

White Background



This preview shows how the Yxy color 19.6052, 0.2452, 0.1543 looks on a white background.

Color Contrast Check

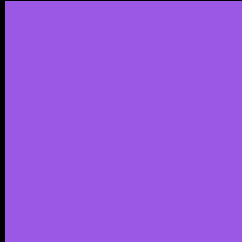
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6052, 0.2452, 0.1543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

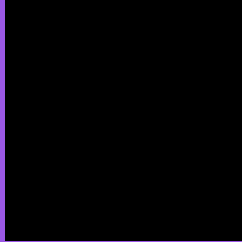
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6052, 0.2452, 0.1543

Background



This preview shows how black text looks on a background with the Yxy color 19.6052, 0.2452, 0.1543.



This preview shows how white text looks on a background with the Yxy color 19.6052, 0.2452, 0.1543.

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

19.6052, 0.2452, 0.1543

Protanopia

19.9219, 0.1735, 0.1447

Deuteranopia

19.8877, 0.1829, 0.1785



Tritanopia

19.4058, 0.3237, 0.3112

Trichromacy



Original Color

19.6052, 0.2452, 0.1543



Protanomaly

17.8272, 0.1803, 0.1394



Deuteranomaly

17.8109, 0.1872, 0.1597



Tritanomaly

18.7392, 0.2903, 0.2364

Monochromacy



Original Color

19.6052, 0.2452, 0.1543



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

19.1284, 0.2845, 0.2451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6052, 0.2452, 0.1543 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(155, 88, 229)` looks like.

```
.text, #text, p{  
    color:rgb(155, 88, 229)  
}
```

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(155, 88, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 88, 229) }
```

Border

The CSS property to change the border of an element to Yxy 19.6052, 0.2452, 0.1543 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(155, 88, 229) }
```

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

```
.border{ border-color:rgb(155, 88, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 88, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 88, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 88, 229);  
box-shadow:4px 4px 4px 4px rgb(155, 88,  
229) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 19.6052, 0.2452, 0.1543$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 88, 229) }
```

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

```
.background{ background-color: rgb(155, 88,  
229) }
```

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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