

Converting Colors

$Y_{xy}(19.7352, 0.2650, 0.1649)$

Have a look what the booklet for
Yxy(19.7352, 0.2650, 0.1649)
contains.

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Color

Yxy(19.7744, 0.2651, 0.1647)

Conversions

Conversions Part 1

Format	Color
Hex	A755DA
RGB	167, 85, 218
RGB Percent	65%, 33%, 85%
CMY	0.3453, 0.6665, 0.1451
CMYK	0.23, 0.61, 0.00, 0.15
HSL	277°, 64%, 59%
HSV	277°, 61%, 85%
XYZ	31.8287, 19.7744, 68.4600
YIQ	124.6800, 6.1790, 58.7470

Conversions

Conversions Part 2

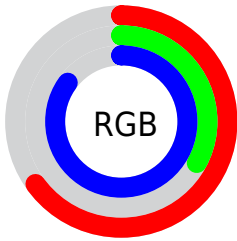
Format	Color
R _Y B	167, 85, 218
Decimal	10966490
CIE Lab	51.58, 55.92, -54.82
CIE LCh	52, 78.305, 315.567
Yxy	19.7744, 0.2651, 0.1647
Android (android.graphics.Color)	4289156570 (0xFFA755DA)
YUV	124.6800, 46.0068, 37.1146
Hunter-Lab	44.4684, 49.9435, -60.1502

Details

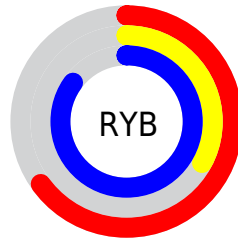
The Yxy color **19.7744, 0.2651, 0.1647** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **56.0352, 0.3341, 0.5076**, and the grayscale version is **20.2399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6928, 0.2922, 0.2089**, and **6.9167, 0.2450, 0.1252** is the 20% darker color. If you saturate the color by 10%, you get **15.9713, 0.2547, 0.1419**, and if you desaturate by 10%, it is **24.6951, 0.2751, 0.1906**.

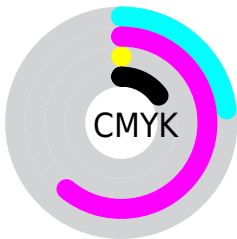
Distribution



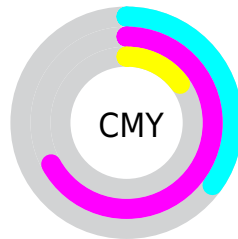
- Red (65%)
- Green (33%)
- Blue (85%)



- Red (65%)
- Yellow (33%)
- Blue (85%)



- Cyan (23%)
- Magenta (61%)
- Yellow (0%)
- Black (15%)



- Cyan (35%)
- Magenta (67%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7744, 0.2651, 0.1647 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 19.7744, 0.2651, 0.1647 by changing the saturation by 10% instead.


 19.7744, 0.2651,
0.1647


 19.7744, 0.2651,
0.1647

250.6912, 0.2943,
0.2442


 12.2312, 0.2564,
0.1466


 43.0386, 0.2769,
0.1925


 6.9013, 0.2445,
0.1248


 59.5284, 0.2809,
0.2033


 3.4005, 0.2276,
0.0984


 79.7691, 0.2843,
0.2125

 1.3442, 0.2030,
0.0672

 104.1452, 0.2870,
0.2206

 0.1750, 0.1685,
0.0170

 133.0411, 0.2893,
0.2276

 0.0000, 0.1011,
0.0000

166.8411, 0.2912,

 0.0000, 0.0000,

0.2338

0.0000

205.9297, 0.2929,
0.2393

■ 19.7744, 0.2651,
0.1647

■ 19.7744, 0.2651,
0.1647

■ 15.9713, 0.2547,
0.1419

■ 24.6951, 0.2751,
0.1906

■ 13.1817, 0.2443,
0.1235

■ 30.8201, 0.2845,
0.2184

■ 11.2852, 0.2343,
0.1101

■ 38.2298, 0.2929,
0.2468

■ 10.1530, 0.2258,
0.1018

■ 46.9971, 0.3004,
0.2747

■ 57.1892, 0.3068,
0.3015

■ 68.8688, 0.3122,
0.3266

■ 82.0948, 0.3168,
0.3498

■ 94.0575, 0.3209,
0.3667

■ 95.5072, 0.3263,
0.3661

Harmonies

Analogous

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



19.7744, 0.1664, 0.1421



19.7744, 0.2651, 0.1647



19.7744, 0.4105, 0.2157

Triad

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



19.7744, 0.2651, 0.1647



19.7744, 0.5246, 0.4544



19.7744, 0.1217, 0.3147

Complementary

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



19.7744, 0.2651, 0.1647



56.0352, 0.3341, 0.5076

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.



19.7744, 0.1911, 0.4968



19.7744, 0.2651, 0.1647



19.7744, 0.4202, 0.5534

Square

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



19.7744, 0.2651, 0.1647



19.7744, 0.5803, 0.3640



19.7744, 0.3015, 0.6013



19.7744, 0.1009, 0.1985

Rectangle

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



19.7744, 0.2651, 0.1647



19.7744, 0.5060, 0.2614



19.7744, 0.3015, 0.6013



19.7744, 0.1389, 0.3718

Sweetspot

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



19.7752, 0.2651, 0.1647



70.9392, 0.3023, 0.2824



25.2364, 0.2116, 0.2092



14.3177, 0.3003, 0.2744



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.



19.7752, 0.2651, 0.1647



21.5891, 0.2519, 0.1366



25.8013, 0.3339, 0.1997



13.0122, 0.3077, 0.3055



6.1471, 0.2271, 0.1025



0.4472, 0.2423, 0.1109

Inverse Universe

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



23.1886, 0.4273, 0.2707



27.4010, 0.4662, 0.2655



52.9583, 0.2978, 0.5081



13.1339, 0.3232, 0.3201



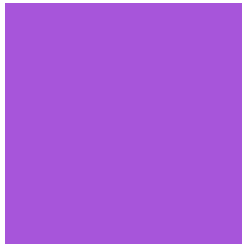
9.3302, 0.5432, 0.2766



0.6210, 0.4992, 0.2524

Previews

White Background



This preview shows how the Yxy color 19.7744, 0.2651, 0.1647 looks on a white background.

Color Contrast Check

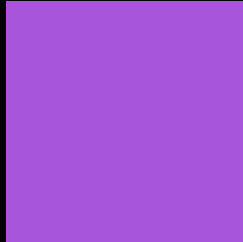
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7744, 0.2651, 0.1647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

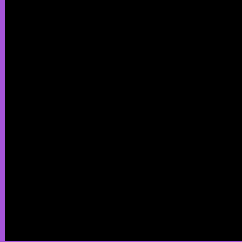
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7744, 0.2651, 0.1647

Background



This preview shows how black text looks on a background with the Yxy color 19.7744, 0.2651, 0.1647.



This preview shows how white text looks on a background with the Yxy color 19.7744, 0.2651, 0.1647.

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

19.7744, 0.2651, 0.1647

Protanopia

20.2855, 0.1735, 0.1447

Deuteranopia

19.9983, 0.1978, 0.1916



Tritanopia

19.7700, 0.3532, 0.3157

Trichromacy



Original Color

19.7744, 0.2651, 0.1647



Protanomaly

17.7988, 0.1827, 0.1420



Deuteranomaly

18.5526, 0.2124, 0.1742



Tritanomaly

19.2689, 0.3178, 0.2474

Monochromacy



Original Color

19.7744, 0.2651, 0.1647



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

19.2305, 0.2934, 0.2491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7744, 0.2651, 0.1647 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(167, 85, 218)` looks like.

```
.text, #text, p{  
    color:rgb(167, 85, 218)  
}
```

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(167, 85, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 85, 218) }
```

Border

The CSS property to change the border of an element to Yxy 19.7744, 0.2651, 0.1647 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(167, 85, 218) }
```

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

```
.border{ border-color:rgb(167, 85, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 85, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 85, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 85, 218);  
box-shadow:4px 4px 4px 4px rgb(167, 85,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7744, 0.2651, 0.1647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 85, 218) }
```

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

```
.background{ background-color: rgb(167, 85,  
218) }
```

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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