

Converting Colors

$Y_{xy}(19.2222, 0.2716, 0.1756)$

Have a look what the booklet for
Yxy(19.2222, 0.2716, 0.1756)
contains.

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Color

Yxy(19.2222, 0.2716, 0.1756)

Conversions

Conversions Part 1

Format	Color
Hex	A358CE
RGB	163, 88, 206
RGB Percent	64%, 35%, 81%
CMY	0.3608, 0.6548, 0.1923
CMYK	0.21, 0.57, 0.00, 0.19
HSL	278°, 55%, 58%
HSV	278°, 57%, 81%
XYZ	29.7309, 19.2222, 60.5127
YIQ	123.8770, 6.8220, 52.5980

Conversions

Conversions Part 2

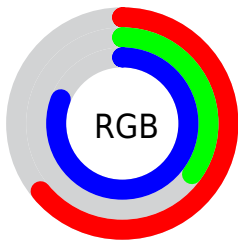
Format	Color
R _Y B	163, 88, 206
Decimal	10705102
CIE _{Lab}	50.95, 50.85, -49.01
CIE _{LCh}	51, 70.624, 316.056
Y _{xy}	19.2222, 0.2716, 0.1756
Android (android.graphics.Color)	4288895182 (0xFFA358CE)
YUV	123.8770, 40.4866, 34.3109
Hunter-Lab	43.8431, 44.3190, -51.1424

Details

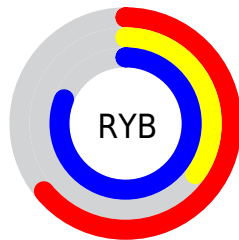
The Yxy color **19.2222, 0.2716, 0.1756** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **49.6537, 0.3321, 0.4970**, and the grayscale version is **19.9756, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4854, 0.2881, 0.2093**, and **6.6246, 0.2530, 0.1355** is the 20% darker color. If you saturate the color by 10%, you get **15.5367, 0.2619, 0.1519**, and if you desaturate by 10%, it is **23.9112, 0.2808, 0.2020**.

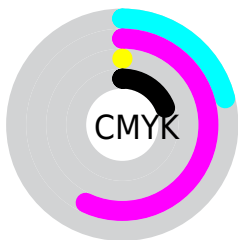
Distribution



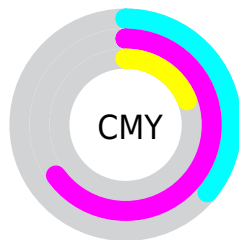
- Red (64%)
- Green (35%)
- Blue (81%)



- Red (64%)
- Yellow (35%)
- Blue (81%)



- Cyan (21%)
- Magenta (57%)
- Yellow (0%)
- Black (19%)





- Cyan (36%)
- Magenta (65%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2222, 0.2716, 0.1756 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 19.2222, 0.2716, 0.1756 by changing the saturation by 10% instead.


 19.2222, 0.2716,
0.1756


 19.2222, 0.2716,
0.1756


247.6727, 0.2972,
0.2515


 11.8309, 0.2637,
0.1577


 42.1092, 0.2820,
0.2026

 6.6287, 0.2527,
0.1357


 58.3738, 0.2856,
0.2129

 3.2310, 0.2369,
0.1085


 78.3649, 0.2885,
0.2218

 1.2535, 0.2128,
0.0753

 102.4670, 0.2909,
0.2294

 0.1047, 0.1793,
0.0130

131.0644, 0.2929,
0.2360

 0.0000, 0.0855,
0.0000

164.5416, 0.2945,

 0.0000, 0.0000,

0.2418

0.0000

203.2829, 0.2959,
0.2470

■ 19.2222, 0.2716,
0.1756

■ 19.2222, 0.2716,
0.1756

■ 15.5367, 0.2619,
0.1519

■ 23.9112, 0.2808,
0.2020

■ 12.7689, 0.2519,
0.1321

■ 29.6753, 0.2893,
0.2297

■ 10.8218, 0.2422,
0.1170

■ 36.5821, 0.2969,
0.2577

■ 9.5626, 0.2331,
0.1068

■ 44.6929, 0.3035,
0.2851

■ 9.2752, 0.2306,
0.1044

■ 54.0645, 0.3092,
0.3111

■ 64.7501, 0.3139,
0.3355

■ 76.7997, 0.3179,
0.3578

■ 90.2607, 0.3211,
0.3782

■ 92.8838, 0.3257,
0.3796

Harmonies

Analogous

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



19.2222, 0.1775, 0.1534



19.2222, 0.2716, 0.1756



19.2222, 0.4051, 0.2249

Triad

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



19.2222, 0.2716, 0.1756



19.2222, 0.5127, 0.4542



19.2222, 0.1343, 0.3159

Complementary

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



19.2222, 0.2716, 0.1756



49.6537, 0.3321, 0.4970

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.



19.2222, 0.2010, 0.4771



19.2222, 0.2716, 0.1756



19.2222, 0.4172, 0.5416

Square

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



19.2222, 0.2716, 0.1756



19.2222, 0.5610, 0.3687



19.2222, 0.3056, 0.5751



19.2222, 0.1133, 0.2084

Rectangle

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



19.2222, 0.2716, 0.1756



19.2222, 0.4914, 0.2689



19.2222, 0.3056, 0.5751



19.2222, 0.1511, 0.3669

Sweetspot

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



19.2230, 0.2716, 0.1756



72.5195, 0.3036, 0.2853



22.8331, 0.2165, 0.2120



14.9145, 0.3023, 0.2798



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.



19.2230, 0.2716, 0.1756



23.8840, 0.2593, 0.1464



23.8266, 0.3370, 0.2099



11.1915, 0.3081, 0.3057



5.7701, 0.2319, 0.1051



0.3397, 0.2494, 0.1148

Inverse Universe

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



21.7365, 0.4198, 0.2762



28.8466, 0.4585, 0.2699



47.1950, 0.2964, 0.4896



11.2801, 0.3234, 0.3206



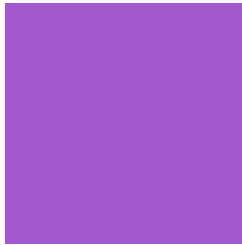
8.4102, 0.5502, 0.2804



0.4484, 0.4961, 0.2507

Previews

White Background



This preview shows how the Yxy color 19.2222, 0.2716, 0.1756 looks on a white background.

Color Contrast Check

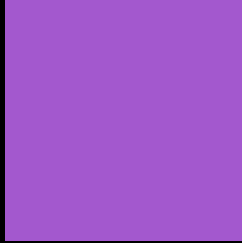
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2222, 0.2716, 0.1756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

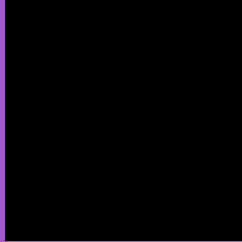
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.2222, 0.2716, 0.1756

Background



This preview shows how black text looks on a background with the Yxy color 19.2222, 0.2716, 0.1756.



This preview shows how white text looks on a background with the Yxy color 19.2222, 0.2716, 0.1756.

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

19.2222, 0.2716, 0.1756

Protanopia

19.6851, 0.1849, 0.1591

Deuteranopia

19.4591, 0.2080, 0.2023



Tritanopia

19.1145, 0.3525, 0.3138

Trichromacy



Original Color

19.2222, 0.2716, 0.1756



Protanomaly

18.1725, 0.2027, 0.1593



Deuteranomaly

18.4803, 0.2242, 0.1868



Tritanomaly

18.8049, 0.3202, 0.2534

Monochromacy



Original Color

19.2222, 0.2716, 0.1756



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

19.1052, 0.2965, 0.2575

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2222, 0.2716, 0.1756 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(163, 88, 206)` looks like.

```
.text, #text, p{  
    color:rgb(163, 88, 206)  
}
```

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(163, 88, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 88, 206) }
```

Border

The CSS property to change the border of an element to Yxy 19.2222, 0.2716, 0.1756 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(163, 88, 206) }
```

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

```
.border{ border-color:rgb(163, 88, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 88, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 88, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 88, 206);  
box-shadow:4px 4px 4px 4px rgb(163, 88,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2222, 0.2716, 0.1756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 88, 206) }
```

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

```
.background{ background-color: rgb(163, 88,  
206) }
```

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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