

Converting Colors

$Y_{xy}(16.8743, 0.2295, 0.1556)$

Have a look what the booklet for
Yxy(16.8743, 0.2295, 0.1556)
contains.

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Color

Yxy(16.8594, 0.2295, 0.1551)

Conversions

Conversions Part 1

Format	Color
Hex	805AD8
RGB	128, 90, 216
RGB Percent	50%, 35%, 85%
CMY	0.4982, 0.6470, 0.1530
CMYK	0.41, 0.58, 0.00, 0.15
HSL	258°, 62%, 60%
HSV	258°, 58%, 85%
XYZ	24.9467, 16.8594, 66.8941
YIQ	115.7260, -17.7980, 47.2420

Conversions

Conversions Part 2

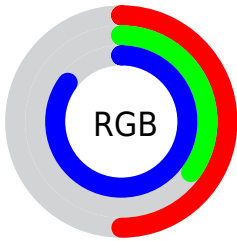
Format	Color
R _Y B	128, 90, 216
Decimal	8411864
CIE Lab	48.08, 43.91, -59.54
CIE LCh	48, 73.979, 306.413
Yxy	16.8594, 0.2295, 0.1551
Android (android.graphics.Color)	4286601944 (0xFF805AD8)
YUV	115.7260, 49.4351, 10.7643
Hunter-Lab	41.0602, 36.5948, -67.8514

Details

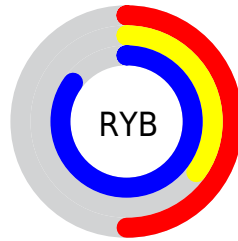
The Yxy color **16.8594, 0.2295, 0.1551** is a dark color, and the websafe version is hex **9966FF**. The color can be described as middle muted purple. A complement of this color would be **59.3128, 0.3644, 0.4828**, and the grayscale version is **17.2278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5840, 0.2595, 0.1996**, and **5.5336, 0.1990, 0.1127** is the 20% darker color. If you saturate the color by 10%, you get **12.6452, 0.2124, 0.1262**, and if you desaturate by 10%, it is **22.3072, 0.2467, 0.1867**.

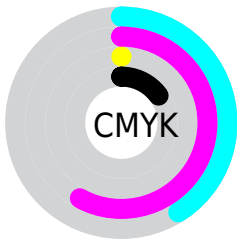
Distribution



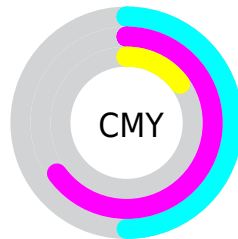
- Red (50%)
- Green (35%)
- Blue (85%)



- Red (50%)
- Yellow (35%)
- Blue (85%)



- Cyan (41%)
- Magenta (58%)
- Yellow (0%)
- Black (15%)





- Cyan (50%)
- Magenta (65%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8594, 0.2295, 0.1551 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 16.8594, 0.2295, 0.1551 by changing the saturation by 10% instead.


 16.8594, 0.2295,
0.1551


 16.8594, 0.2295,
0.1551


234.3608, 0.2776,
0.2410


 10.1343, 0.2160,
0.1354


 38.0839, 0.2482,
0.1853

 5.4881, 0.1982,
0.1117


 53.3520, 0.2549,
0.1970

 2.5364, 0.1741,
0.0836

 72.2367, 0.2604,
0.2071

 0.8948, 0.1409,
0.0514

 95.1222, 0.2650,
0.2157

 0.0000, 0.0980,
0.0000

122.3930, 0.2689,
0.2233

 0.0000, 0.0000,
0.0000

154.4334, 0.2722,

0.2299

191.6279, 0.2751,
0.2358

■ 16.8594, 0.2295,
0.1551

■ 16.8594, 0.2295,
0.1551

■ 12.6452, 0.2124,
0.1262

■ 22.3072, 0.2467,
0.1867

■ 9.5607, 0.1963,
0.1019

■ 29.0772, 0.2632,
0.2190

■ 7.4868, 0.1823,
0.0838


■ 37.2519, 0.2784,
0.2507

■ 6.2502, 0.1711,
0.0723


■ 46.9063, 0.2921,
0.2806


■ 6.0827, 0.1695,
0.0707

■ 58.1100, 0.3040,
0.3081

 70.9280, 0.3143,
0.3330

 85.4219, 0.3232,
0.3552

 96.5632, 0.3316,
0.3676

 97.7371, 0.3358,
0.3671

Harmonies

Analogous

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



16.8594, 0.1469, 0.1415



16.8594, 0.2295, 0.1551



16.8594, 0.3632, 0.1978

Triad

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



16.8594, 0.2295, 0.1551



16.8594, 0.5483, 0.4250



16.8594, 0.1377, 0.3666

Complementary

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



16.8594, 0.2295, 0.1551



59.3128, 0.3644, 0.4828

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.



16.8594, 0.2225, 0.5448



16.8594, 0.2295, 0.1551



16.8594, 0.4551, 0.5245

Square

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



16.8594, 0.2295, 0.1551



16.8594, 0.5796, 0.3395



16.8594, 0.3381, 0.5980



16.8594, 0.1036, 0.2257

Rectangle

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



16.8594, 0.2295, 0.1551



16.8594, 0.4644, 0.2400



16.8594, 0.3381, 0.5980



16.8594, 0.1604, 0.4289

Sweetspot

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



16.8600, 0.2295, 0.1551



70.0926, 0.2935, 0.2839



39.0510, 0.2287, 0.2742



14.3427, 0.2909, 0.2781



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.



16.8600, 0.2295, 0.1551



17.2247, 0.2085, 0.1200



23.3231, 0.2922, 0.1818



12.1882, 0.3028, 0.3052



3.6503, 0.1708, 0.0715



0.2630, 0.1898, 0.0819

Inverse Universe

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



25.1293, 0.3637, 0.2284



30.7263, 0.3790, 0.2139



53.5019, 0.3183, 0.5084



12.5660, 0.3183, 0.3128



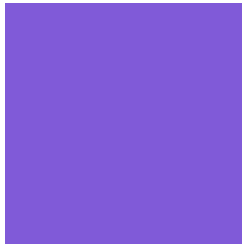
9.9824, 0.4144, 0.2057



0.6164, 0.3944, 0.1947

Previews

White Background



This preview shows how the Yxy color 16.8594, 0.2295, 0.1551 looks on a white background.

Color Contrast Check

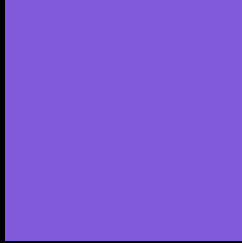
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 16.8594, 0.2295, 0.1551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

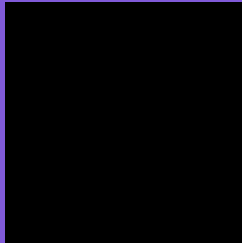
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.8594, 0.2295, 0.1551

Background



This preview shows how black text looks on a background with the Yxy color 16.8594, 0.2295, 0.1551.



This preview shows how white text looks on a background with the Yxy color 16.8594, 0.2295, 0.1551.

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

16.8594, 0.2295, 0.1551

Protanopia

17.0924, 0.1737, 0.1454

Deuteranopia

16.8986, 0.1831, 0.1793



Tritanopia

16.8425, 0.2923, 0.3110

Trichromacy



Original Color

16.8594, 0.2295, 0.1551



Protanomaly

15.8509, 0.1801, 0.1435



Deuteranomaly

15.7232, 0.1867, 0.1637



Tritanomaly

16.3872, 0.2662, 0.2382

Monochromacy



Original Color

16.8594, 0.2295, 0.1551



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

16.7755, 0.2770, 0.2489

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8594, 0.2295, 0.1551 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(128, 90, 216)` looks like.

```
.text, #text, p{  
    color:rgb(128, 90, 216)  
}
```

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(128, 90, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 90, 216) }
```

Border

The CSS property to change the border of an element to Yxy 16.8594, 0.2295, 0.1551 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(128, 90, 216) }
```

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

```
.border{ border-color:rgb(128, 90, 216) }
```

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

Here you see how a box with a 4 pixel rgb(128, 90, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 90, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 90, 216);  
box-shadow:4px 4px 4px 4px rgb(128, 90,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8594, 0.2295, 0.1551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 90, 216) }
```

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

```
.background{ background-color: rgb(128, 90,  
216) }
```

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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