

Converting Colors

$Y_{xy}(16.7815, 0.2812, 0.2002)$

Have a look what the booklet for
Yxy(16.7815, 0.2812, 0.2002)
contains.

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Color

Yxy(16.7675, 0.2805, 0.1999)

Conversions

Conversions Part 1

Format	Color
Hex	925BB1
RGB	146, 91, 177
RGB Percent	57%, 36%, 69%
CMY	0.4275, 0.6431, 0.3059
CMYK	0.18, 0.49, 0.00, 0.31
HSL	278°, 36%, 53%
HSV	278°, 49%, 69%
XYZ	23.5282, 16.7675, 43.5838
YIQ	117.2490, 5.1740, 38.4060

Conversions

Conversions Part 2

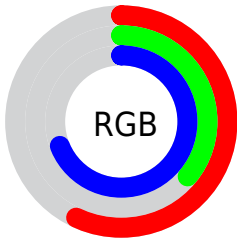
Format	Color
R_{YB}	146, 91, 177
Decimal	9591729
CIE _{Lab}	47.97, 38.23, -37.11
CIE _{LCh}	48, 53.280, 315.852
Yxy	16.7675, 0.2805, 0.1999
Android (android.graphics.Color)	4287781809 (0xFF925BB1)
YUV	117.2490, 29.4572, 25.2146
Hunter-Lab	40.9481, 30.9042, -34.4425

Details

The Yxy color **16.7675, 0.2805, 0.1999** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **36.3326, 0.3307, 0.4686**, and the grayscale version is **17.7768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0847, 0.2896, 0.2256**, and **5.4383, 0.2636, 0.1597** is the 20% darker color. If you saturate the color by 10%, you get **13.5218, 0.2714, 0.1740**, and if you desaturate by 10%, it is **20.7608, 0.2889, 0.2273**.

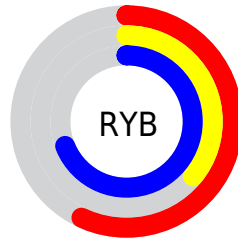
Distribution



Red (57%)

Green (36%)

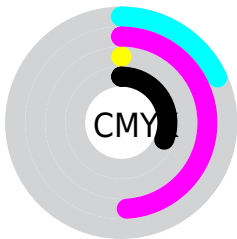
Blue (69%)



Red (57%)

Yellow (36%)

Blue (69%)

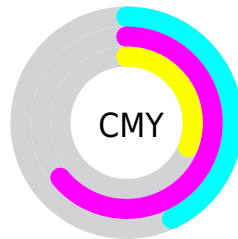


Cyan (18%)

Magenta (49%)

Yellow (0%)

Black (31%)



Cyan (43%)


Magenta (64%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7675, 0.2805, 0.1999 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 16.7675, 0.2805, 0.1999 by changing the saturation by 10% instead.


 16.7675, 0.2805,
0.1999


 16.7675, 0.2805,
0.1999


233.8290, 0.3009,
0.2676


 10.0689, 0.2738,
0.1825


 37.9256, 0.2891,
0.2250


 5.4446, 0.2640,
0.1600


 53.1538, 0.2919,
0.2343

 2.5104, 0.2491,
0.1307

 71.9941, 0.2942,
0.2421

 0.8819, 0.2245,
0.0918

 94.8307, 0.2961,
0.2488

 0.0000, 0.1874,
0.0000

122.0481, 0.2976,
0.2545

 0.0000, 0.0000,
0.0000

154.0307, 0.2989,

0.2594

191.1628, 0.3000,
0.2638

■ 16.7675, 0.2805,
0.1999

■ 16.7675, 0.2805,
0.1999

■ 13.5218, 0.2714,
0.1740

■ 20.7608, 0.2889,
0.2273

■ 10.9701, 0.2618,
0.1509

■ 25.5461, 0.2964,
0.2550

■ 9.0550, 0.2521,
0.1316


■ 31.1668, 0.3030,
0.2821


■ 7.7083, 0.2426,
0.1169

■ 37.6623, 0.3086,
0.3081


■ 6.8115, 0.2336,
0.1067

■ 45.0697, 0.3133,
0.3323

 6.6962, 0.2323,
0.1053

 53.4236, 0.3173,
0.3548

 62.7572, 0.3206,
0.3752

 73.1017, 0.3232,
0.3938

 84.4872, 0.3253,
0.4105

Harmonies

Analogous

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



16.7675, 0.2005, 0.1808



16.7675, 0.2805, 0.1999



16.7675, 0.3869, 0.2431

Triad

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



16.7675, 0.2805, 0.1999



16.7675, 0.4841, 0.4434



16.7675, 0.1659, 0.3234

Complementary

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



16.7675, 0.2805, 0.1999



36.3326, 0.3307, 0.4686

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.



16.7675, 0.2260, 0.4431



16.7675, 0.2805, 0.1999



16.7675, 0.4090, 0.5064

Square

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



16.7675, 0.2805, 0.1999



16.7675, 0.5157, 0.3715



16.7675, 0.3155, 0.5194



16.7675, 0.1441, 0.2339

Rectangle

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



16.7675, 0.2805, 0.1999



16.7675, 0.4542, 0.2820



16.7675, 0.3155, 0.5194



16.7675, 0.1816, 0.3625

Sweetspot

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



16.7682, 0.2805, 0.1999



59.5142, 0.3049, 0.2909



19.4497, 0.2321, 0.2342



12.3990, 0.3037, 0.2855



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.7682, 0.2805, 0.1999



24.0076, 0.2710, 0.1730



19.5655, 0.3323, 0.2265



8.4905, 0.3082, 0.3062



4.8876, 0.2333, 0.1059



0.1852, 0.2583, 0.1197

Inverse Universe

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



18.2352, 0.3953, 0.2840



27.2028, 0.4237, 0.2760



34.6323, 0.2983, 0.4600



8.5542, 0.3232, 0.3208



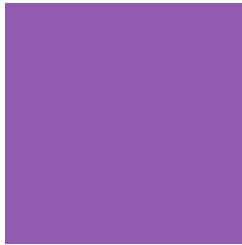
7.0497, 0.5500, 0.2803



0.2332, 0.4724, 0.2376

Previews

White Background



This preview shows how the Yxy color 16.7675, 0.2805, 0.1999 looks on a white background.

Color Contrast Check

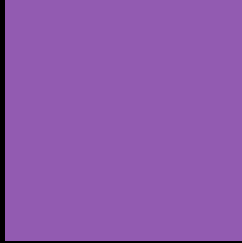
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7675, 0.2805, 0.1999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

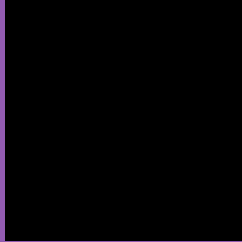
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7675, 0.2805, 0.1999

Background



This preview shows how black text looks on a background with the Yxy color 16.7675, 0.2805, 0.1999.



This preview shows how white text looks on a background with the Yxy color 16.7675, 0.2805, 0.1999.

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

16.7675, 0.2805, 0.1999

Protanopia

16.9287, 0.2086, 0.1891

Deuteranopia

17.0780, 0.2287, 0.2233



Tritanopia

16.7572, 0.3442, 0.3145

Trichromacy



Original Color

16.7675, 0.2805, 0.1999

Protanomaly

16.4150, 0.2288, 0.1914

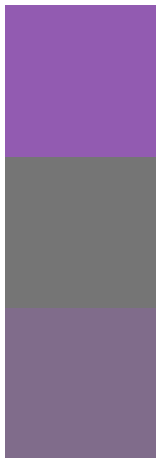
Deuteranomaly

16.5522, 0.2440, 0.2128

Tritanomaly

16.6890, 0.3197, 0.2670

Monochromacy



Original Color

16.7675, 0.2805, 0.1999

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.1784, 0.3011, 0.2733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7675, 0.2805, 0.1999 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(146, 91, 177)` looks like.

```
.text, #text, p{  
    color:rgb(146, 91, 177)  
}
```

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(146, 91, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 91, 177) }
```

Border

The CSS property to change the border of an element to Yxy 16.7675, 0.2805, 0.1999 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(146, 91, 177) }
```

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

```
.border{ border-color:rgb(146, 91, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 91, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 91, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 91, 177); box-shadow:4px 4px 4px 4px rgb(146, 91, 177) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7675, 0.2805, 0.1999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 91, 177) }
```

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

```
.background{ background-color: rgb(146, 91,  
177) }
```

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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