

Converting Colors

$Y_{xy}(17.0110, 0.2678, 0.1846)$

Have a look what the booklet for
Yxy(17.0110, 0.2678, 0.1846)
contains.

Yxy(16.9735, 0.2676, 0.1837)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.9735, 0.2676, 0.1837)

Conversions

Conversions Part 1

Format	Color
Hex	9259BE
RGB	146, 89, 190
RGB Percent	57%, 35%, 75%
CMY	0.4273, 0.6510, 0.2548
CMYK	0.23, 0.53, 0.00, 0.25
HSL	274°, 44%, 55%
HSV	274°, 53%, 75%
XYZ	24.7257, 16.9735, 50.6987
YIQ	117.5570, 1.5510, 43.4950

Conversions

Conversions Part 2

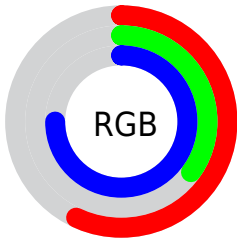
Format	Color
R _Y B	146, 89, 190
Decimal	9591230
CIE Lab	48.23, 42.34, -44.28
CIE LCh	48, 61.268, 313.720
Yxy	16.9735, 0.2676, 0.1837
Android (android.graphics.Color)	4287781310 (0xFF9259BE)
YUV	117.5570, 35.7144, 24.9445
Hunter-Lab	41.1989, 35.0294, -44.1221

Details

The Yxy color **16.9735, 0.2676, 0.1837** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **42.5406, 0.3377, 0.4806**, and the grayscale version is **17.8577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3217, 0.2788, 0.2109**, and **5.5039, 0.2461, 0.1414** is the 20% darker color. If you saturate the color by 10%, you get **13.4789, 0.2562, 0.1575**, and if you desaturate by 10%, it is **21.3403, 0.2783, 0.2118**.

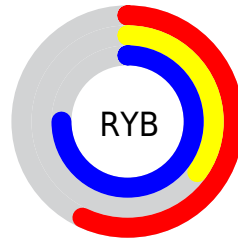
Distribution



Red (57%)

Green (35%)

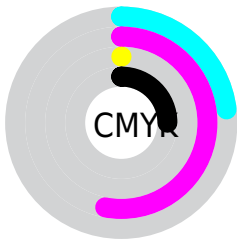
Blue (75%)



Red (57%)

Yellow (35%)

Blue (75%)

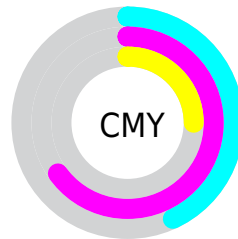


Cyan (23%)

Magenta (53%)

Yellow (0%)

Black (25%)



Cyan (43%)


Magenta (65%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9735, 0.2676, 0.1837 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 16.9735, 0.2676, 0.1837 by changing the saturation by 10% instead.


 16.9735, 0.2676,
0.1837

 16.9735, 0.2676,
0.1837


235.0196, 0.2954,
0.2582


 10.2156, 0.2589,
0.1653


 38.2802, 0.2790,
0.2108


 5.5421, 0.2466,
0.1421


 53.5978, 0.2829,
0.2211

 2.5687, 0.2286,
0.1128

 72.5374, 0.2860,
0.2297

 0.9110, 0.2005,
0.0760

 95.4835, 0.2886,
0.2371

 0.0000, 0.1604,
0.0000

122.8203, 0.2907,
0.2434

 0.0000, 0.0000,
0.0000

154.9323, 0.2925,

0.2490

192.2040, 0.2941,
0.2539

■ 16.9735, 0.2676,
0.1837

■ 16.9735, 0.2676,
0.1837

■ 13.4789, 0.2562,
0.1575

■ 21.3403, 0.2783,
0.2118

■ 10.7893, 0.2446,
0.1346

■ 26.6359, 0.2881,
0.2406

■ 8.8303, 0.2331,
0.1161

■ 32.9140, 0.2968,
0.2689

■ 7.5121, 0.2223,
0.1028

■ 40.2240, 0.3044,
0.2960

■ 6.8619, 0.2153,
0.0960

■ 48.6116, 0.3109,
0.3214

■ 58.1197, 0.3163,
0.3448

■ 68.7889, 0.3209,
0.3661

■ 80.6578, 0.3247,
0.3853

■ 90.5307, 0.3284,
0.3979

Harmonies

Analogous

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



16.9735, 0.1827, 0.1649



16.9735, 0.2676, 0.1837



16.9735, 0.3875, 0.2287

Triad

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



16.9735, 0.2676, 0.1837



16.9735, 0.5058, 0.4443



16.9735, 0.1514, 0.3294

Complementary

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



16.9735, 0.2676, 0.1837



42.5406, 0.3377, 0.4806

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.



16.9735, 0.2189, 0.4715



16.9735, 0.2676, 0.1837



16.9735, 0.4219, 0.5219

Square

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



16.9735, 0.2676, 0.1837



16.9735, 0.5414, 0.3650



16.9735, 0.3186, 0.5516



16.9735, 0.1269, 0.2252

Rectangle

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



16.9735, 0.2676, 0.1837



16.9735, 0.4668, 0.2699



16.9735, 0.3186, 0.5516



16.9735, 0.1690, 0.3760

Sweetspot

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



16.9742, 0.2676, 0.1837



68.5812, 0.3022, 0.2878



23.0164, 0.2268, 0.2372



14.4462, 0.3006, 0.2821



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



16.9742, 0.2676, 0.1837



23.4046, 0.2540, 0.1529



21.5931, 0.3245, 0.2088



9.4839, 0.3070, 0.3059



4.6089, 0.2166, 0.0967



0.2186, 0.2412, 0.1102

Inverse Universe

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



19.7845, 0.3962, 0.2699



29.4579, 0.4262, 0.2603



39.7669, 0.3020, 0.4891



9.6035, 0.3222, 0.3191



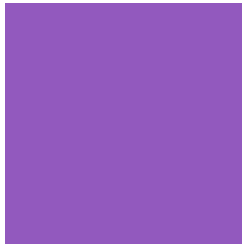
7.7069, 0.5204, 0.2641



0.3150, 0.4608, 0.2312

Previews

White Background



This preview shows how the Yxy color 16.9735, 0.2676, 0.1837 looks on a white background.

Color Contrast Check

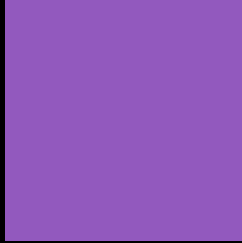
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9735, 0.2676, 0.1837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

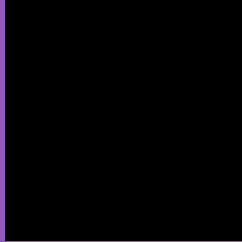
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9735, 0.2676, 0.1837

Background



This preview shows how black text looks on a background with the Yxy color 16.9735, 0.2676, 0.1837.



This preview shows how white text looks on a background with the Yxy color 16.9735, 0.2676, 0.1837.

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

16.9735, 0.2676, 0.1837

Protanopia

17.1791, 0.1935, 0.1695

Deuteranopia

17.1807, 0.2122, 0.2067



Tritanopia

17.0544, 0.3382, 0.3144

Trichromacy



Original Color

16.9735, 0.2676, 0.1837

Protanomaly

16.3873, 0.2114, 0.1709

Deuteranomaly

16.6052, 0.2275, 0.1949

Tritanomaly

16.6938, 0.3094, 0.2571

Monochromacy



Original Color

16.9735, 0.2676, 0.1837

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.1182, 0.2953, 0.2634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9735, 0.2676, 0.1837 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, 89, 190)` looks like.

```
.text, #text, p{  
    color:rgb(146, 89, 190)  
}
```

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, 89, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 89, 190) }
```

Border

The CSS property to change the border of an element to Yxy 16.9735, 0.2676, 0.1837 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, 89, 190) }
```

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

```
.border{ border-color:rgb(146, 89, 190) }
```

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

Here you see how a box with a 4 pixel rgb(146, 89, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 89, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 89, 190);  
box-shadow:4px 4px 4px 4px rgb(146, 89,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9735, 0.2676, 0.1837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 89, 190) }
```

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

```
.background{ background-color: rgb(146, 89,  
190) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor