

Converting Colors

$Y_{xy}(16.9338, 0.2386, 0.1305)$

Have a look what the booklet for
Yxy(16.9338, 0.2386, 0.1305)
contains.

Yxy(16.9493, 0.2391, 0.1307)	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(16.9493, 0.2391, 0.1307)

Conversions

Conversions Part 1

Format	Color
Hex	9D40ED
RGB	157, 64, 237
RGB Percent	62%, 25%, 93%
CMY	0.3846, 0.7486, 0.0708
CMYK	0.34, 0.73, 0.00, 0.07
HSL	272°, 83%, 59%
HSV	272°, 73%, 93%
XYZ	31.0067, 16.9493, 81.7249
YIQ	111.5290, -0.1050, 73.5190

Conversions

Conversions Part 2

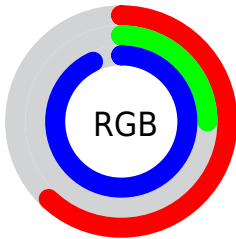
Format	Color
R _{YB}	157, 64, 237
Decimal	10305773
CIE Lab	48.20, 67.49, -71.08
CIE LCh	48, 98.014, 313.518
Yxy	16.9493, 0.2391, 0.1307
Android (android.graphics.Color)	4288495853 (0xFF9D40ED)
YUV	111.5290, 61.8572, 39.8781
Hunter-Lab	41.1695, 62.3901, -88.8769

Details

The Yxy color **16.9493, 0.2391, 0.1307** 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 **66.8566, 0.3415, 0.5344**, and the grayscale version is **15.8838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.4047, 0.2848, 0.1889**, and **5.8920, 0.2114, 0.0938** is the 20% darker color. If you saturate the color by 10%, you get **13.7630, 0.2269, 0.1120**, and if you desaturate by 10%, it is **21.3706, 0.2516, 0.1542**.

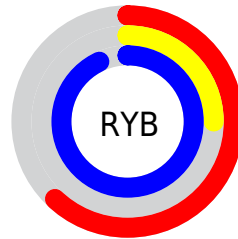
Distribution



Red (62%)

Green (25%)

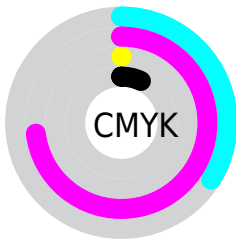
Blue (93%)



Red (62%)

Yellow (25%)

Blue (93%)

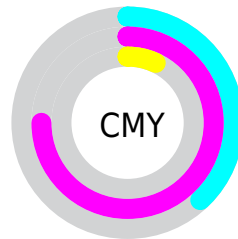


Cyan (34%)

Magenta (73%)

Yellow (0%)

Black (7%)



Cyan (38%)


Magenta (75%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9493, 0.2391, 0.1307 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 16.9493, 0.2391, 0.1307 by changing the saturation by 10% instead.


 16.9493, 0.2391,
0.1307

 16.9493, 0.2391,
0.1307


234.8800, 0.2831,
0.2229

 10.1983, 0.2267,
0.1114


 38.2386, 0.2564,
0.1617


 5.5307, 0.2104,
0.0891


 53.5457, 0.2625,
0.1741

 2.5619, 0.1885,
0.0640


 72.4737, 0.2676,
0.1850

 0.9075, 0.1587,
0.0374

 95.4069, 0.2718,
0.1945

 0.0000, 0.1201,
0.0000

 122.7297, 0.2753,
0.2028

 0.0000, 0.0584,
0.0000

154.8266, 0.2783,

 0.0000, 0.0000,

0.2103

0.0000

192.0819, 0.2809,
0.2169

■ 16.9493, 0.2391,
0.1307

■ 16.9493, 0.2391,
0.1307

■ 13.7630, 0.2269,
0.1120

■ 21.3706, 0.2516,
0.1542

■ 11.6526, 0.2156,
0.0987


■ 27.1556, 0.2639,
0.1811


■ 10.6423, 0.2082,
0.0921


■ 34.4179, 0.2755,
0.2100


■ 43.2585, 0.2861,
0.2394

■ 53.7692, 0.2956,
0.2684

 66.0348, 0.3038,
0.2960

 80.1341, 0.3109,
0.3218

 96.1408, 0.3168,
0.3455

 98.8919, 0.3232,
0.3464

Harmonies

Analogous

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



16.9493, 0.1308, 0.1084



16.9493, 0.2391, 0.1307



16.9493, 0.4218, 0.1846

Triad

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



16.9493, 0.2391, 0.1307



16.9493, 0.5588, 0.4412



16.9493, 0.0842, 0.3142

Complementary

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



16.9493, 0.2391, 0.1307



66.8566, 0.3415, 0.5344

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.



16.9493, 0.1581, 0.5778



16.9493, 0.2391, 0.1307



16.9493, 0.4231, 0.5769

Square

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



16.9493, 0.2391, 0.1307



16.9493, 0.6393, 0.3388



16.9493, 0.2813, 0.6847



16.9493, 0.0658, 0.1686

Rectangle

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



16.9493, 0.2391, 0.1307



16.9493, 0.5510, 0.2338



16.9493, 0.2813, 0.6847



16.9493, 0.1014, 0.3948

Sweetspot

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



16.9499, 0.2391, 0.1307



64.6828, 0.2963, 0.2708



27.3848, 0.1981, 0.1973



13.0678, 0.2939, 0.2631



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.



16.9499, 0.2391, 0.1307



14.7677, 0.2207, 0.1041



27.4558, 0.3261, 0.1749



14.9472, 0.3064, 0.3052



5.8916, 0.2099, 0.0930



0.5198, 0.2243, 0.1009

Inverse Universe

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



23.6930, 0.4432, 0.2513



23.9546, 0.4851, 0.2523



62.0774, 0.3002, 0.5565



15.1701, 0.3220, 0.3181



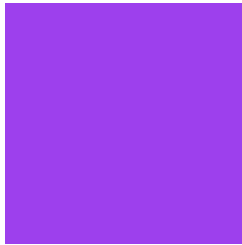
10.4673, 0.5113, 0.2590



0.8412, 0.4781, 0.2407

Previews

White Background



This preview shows how the Yxy color 16.9493, 0.2391, 0.1307 looks on a white background.

Color Contrast Check

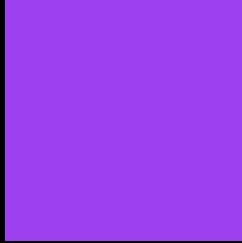
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9493, 0.2391, 0.1307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

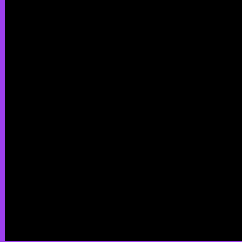
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9493, 0.2391, 0.1307

Background



This preview shows how black text looks on a background with the Yxy color 16.9493, 0.2391, 0.1307.



This preview shows how white text looks on a background with the Yxy color 16.9493, 0.2391, 0.1307.

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

16.9493, 0.2391, 0.1307

Protanopia

17.0351, 0.1739, 0.1461

Deuteranopia

17.0344, 0.1842, 0.1830



Tritanopia

16.8215, 0.3398, 0.3143

Trichromacy



Original Color

16.9493, 0.2391, 0.1307



Protanomaly

14.6391, 0.1783, 0.1276



Deuteranomaly

14.5115, 0.1851, 0.1466



Tritanomaly

15.7362, 0.2954, 0.2197

Monochromacy



Original Color

16.9493, 0.2391, 0.1307



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

15.2079, 0.2801, 0.2233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9493, 0.2391, 0.1307 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(157, 64, 237)` looks like.

```
.text, #text, p{  
  color:rgb(157, 64, 237)  
}
```

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(157, 64, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 64, 237) }
```

Border

The CSS property to change the border of an element to Yxy 16.9493, 0.2391, 0.1307 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(157, 64, 237) }
```

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

```
.border{ border-color:rgb(157, 64, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 64, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 64, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 64, 237);  
box-shadow:4px 4px 4px 4px rgb(157, 64,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9493, 0.2391, 0.1307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 64, 237) }
```

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

```
.background{ background-color: rgb(157, 64,  
237) }
```

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