

Converting Colors

$Y_{xy}(16.9693, 0.2491, 0.1406)$

Have a look what the booklet for
Yxy(16.9693, 0.2491, 0.1406)
contains.

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Color

Yxy(16.9962, 0.2492, 0.1408)

Conversions

Conversions Part 1

Format	Color
Hex	9F44E2
RGB	159, 68, 226
RGB Percent	62%, 27%, 89%
CMY	0.3767, 0.7331, 0.1138
CMYK	0.30, 0.70, 0.00, 0.11
HSL	275°, 73%, 58%
HSV	275°, 70%, 89%
XYZ	30.0813, 16.9962, 73.6341
YIQ	113.2210, 3.5180, 68.4300

Conversions

Conversions Part 2

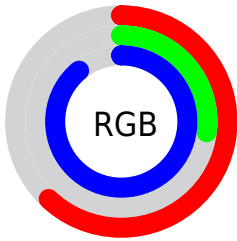
Format	Color
R_{YB}	159, 68, 226
Decimal	10437858
CIE _{Lab}	48.26, 63.78, -64.77
CIE _{LCh}	48, 90.897, 314.559
Yxy	16.9962, 0.2492, 0.1408
Android (android.graphics.Color)	4288627938 (0xFF9F44E2)
YUV	113.2210, 55.6000, 40.1482
Hunter-Lab	41.2264, 58.0983, -77.0387

Details

The Yxy color **16.9962, 0.2492, 0.1408** 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 **59.9615, 0.3377, 0.5295**, and the grayscale version is **16.4191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2913, 0.2858, 0.1919**, and **5.6690, 0.2224, 0.0999** is the 20% darker color. If you saturate the color by 10%, you get **13.8247, 0.2378, 0.1211**, and if you desaturate by 10%, it is **21.2982, 0.2607, 0.1648**.

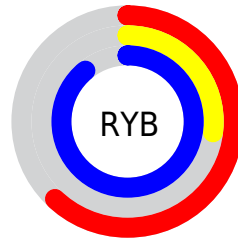
Distribution



Red (62%)

Green (27%)

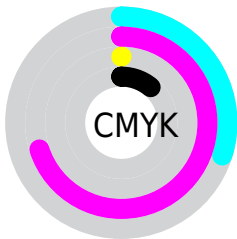
Blue (89%)



Red (62%)

Yellow (27%)

Blue (89%)

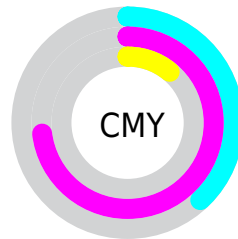


Cyan (30%)

Magenta (70%)

Yellow (0%)

Black (11%)



Cyan (38%)

Magenta (73%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9962, 0.2492, 0.1408 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 16.9962, 0.2492, 0.1408 by changing the saturation by 10% instead.


 16.9962, 0.2492,
0.1408


 16.9962, 0.2492,
0.1408


235.1505, 0.2879,
0.2302


 10.2318, 0.2379,
0.1214


 38.3192, 0.2647,
0.1714


 5.5529, 0.2227,
0.0986


 53.6467, 0.2701,
0.1835


 2.5752, 0.2019,
0.0723


 72.5972, 0.2745,
0.1939

 0.9142, 0.1725,
0.0435

 95.5552, 0.2781,
0.2031

 0.0000, 0.1333,
0.0000

 122.9052, 0.2812,
0.2111

 0.0000, 0.0592,
0.0000

155.0315, 0.2838,

 0.0000, 0.0000,

0.2182

0.0000

192.3184, 0.2860,
0.2245

■ 16.9962, 0.2492,
0.1408

■ 16.9962, 0.2492,
0.1408

■ 13.8247, 0.2378,
0.1211

■ 21.2982, 0.2607,
0.1648

■ 11.6514, 0.2268,
0.1066

■ 26.8387, 0.2718,
0.1917


■ 10.2541, 0.2167,
0.0968


■ 33.7148, 0.2821,
0.2203


■ 10.2392, 0.2166,
0.0967

■ 42.0132, 0.2914,
0.2492

■ 51.8130, 0.2997,
0.2774

 63.1874, 0.3068,
0.3043

 76.2048, 0.3128,
0.3293

 90.9295, 0.3178,
0.3522

 96.4740, 0.3235,
0.3577

Harmonies

Analogous

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



16.9962, 0.1419, 0.1177



16.9962, 0.2492, 0.1408



16.9962, 0.4220, 0.1946

Triad

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



16.9962, 0.2492, 0.1408



16.9962, 0.5500, 0.4500



16.9962, 0.0940, 0.3112

Complementary

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



16.9962, 0.2492, 0.1408



59.9615, 0.3377, 0.5295

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.



16.9962, 0.1665, 0.5484



16.9962, 0.2492, 0.1408



16.9962, 0.4233, 0.5767

Square

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



16.9962, 0.2492, 0.1408



16.9962, 0.6224, 0.3486



16.9962, 0.2868, 0.6616



16.9962, 0.0752, 0.1758

Rectangle

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



16.9962, 0.2492, 0.1408



16.9962, 0.5404, 0.2432



16.9962, 0.2868, 0.6616



16.9962, 0.1111, 0.3838

Sweetspot

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



16.9968, 0.2492, 0.1408



66.4037, 0.2987, 0.2739



24.4697, 0.2002, 0.1961



13.4181, 0.2965, 0.2661



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.



16.9968, 0.2492, 0.1408



16.6912, 0.2326, 0.1136



25.2378, 0.3314, 0.1828



13.6307, 0.3070, 0.3054



5.9138, 0.2181, 0.0975



0.4623, 0.2335, 0.1060

Inverse Universe

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



22.0604, 0.4443, 0.2592



24.4909, 0.4876, 0.2586



56.1734, 0.2988, 0.5418



13.7966, 0.3226, 0.3191



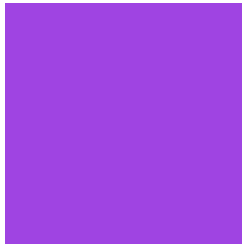
9.7282, 0.5269, 0.2676



0.6919, 0.4875, 0.2459

Previews

White Background



This preview shows how the Yxy color 16.9962, 0.2492, 0.1408 looks on a white background.

Color Contrast Check

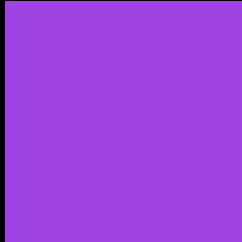
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9962, 0.2492, 0.1408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

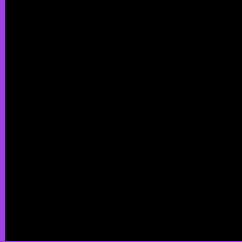
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9962, 0.2492, 0.1408

Background



This preview shows how black text looks on a background with the Yxy color 16.9962, 0.2492, 0.1408.



This preview shows how white text looks on a background with the Yxy color 16.9962, 0.2492, 0.1408.

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

16.9962, 0.2492, 0.1408

Protanopia

17.3094, 0.1741, 0.1468

Deuteranopia

17.1304, 0.1836, 0.1810



Tritanopia

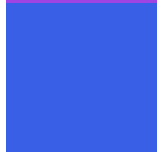
16.8070, 0.3488, 0.3129

Trichromacy



Original Color

16.9962, 0.2492, 0.1408



Protanomaly

14.8535, 0.1801, 0.1320



Deuteranomaly

14.6273, 0.1865, 0.1498



Tritanomaly

16.1318, 0.3054, 0.2281

Monochromacy



Original Color

16.9962, 0.2492, 0.1408



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

15.6283, 0.2861, 0.2315

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9962, 0.2492, 0.1408 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(159, 68, 226)` looks like.

```
.text, #text, p{  
    color:rgb(159, 68, 226)  
}
```

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(159, 68, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 68, 226) }
```

Border

The CSS property to change the border of an element to Yxy 16.9962, 0.2492, 0.1408 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(159, 68, 226) }
```

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

```
.border{ border-color:rgb(159, 68, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 68, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 68, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 68, 226);  
box-shadow:4px 4px 4px 4px rgb(159, 68,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9962, 0.2492, 0.1408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 68, 226) }
```

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

```
.background{ background-color: rgb(159, 68,  
226) }
```

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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