

Converting Colors

$Y_{xy}(16.4635, 0.2492, 0.1391)$

Have a look what the booklet for
Yxy(16.4635, 0.2492, 0.1391)
contains.

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Color

Yxy(16.4315, 0.2495, 0.1392)

Conversions

Conversions Part 1

Format	Color
Hex	9E41E0
RGB	158, 65, 224
RGB Percent	62%, 25%, 88%
CMY	0.3803, 0.7452, 0.1215
CMYK	0.29, 0.71, 0.00, 0.12
HSL	275°, 72%, 57%
HSV	275°, 71%, 88%
XYZ	29.4516, 16.4315, 72.1593
YIQ	110.9330, 4.3890, 69.1650

Conversions

Conversions Part 2

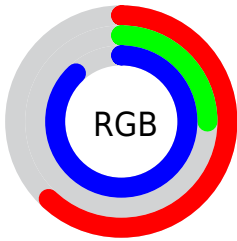
Format	Color
RYB	158, 65, 224
Decimal	10371552
CIELab	47.54, 64.48, -64.83
CIElCh	48, 91.438, 314.849
Yxy	16.4315, 0.2495, 0.1392
Android (android.graphics.Color)	4288561632 (0xFF9E41E0)
YUV	110.9330, 55.7420, 41.2778
Hunter-Lab	40.5358, 58.7529, -77.1694

Details

The Yxy color **16.4315, 0.2495, 0.1392** 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 **58.5302, 0.3366, 0.5328**, and the grayscale version is **15.7084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.4047, 0.2848, 0.1889**, and **5.5365, 0.2227, 0.1001** is the 20% darker color. If you saturate the color by 10%, you get **13.4439, 0.2383, 0.1202**, and if you desaturate by 10%, it is **20.5107, 0.2608, 0.1626**.

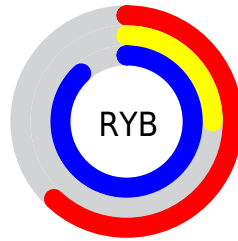
Distribution



Red (62%)

Green (25%)

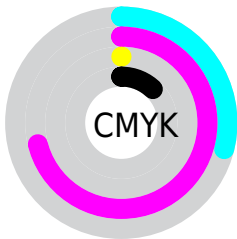
Blue (88%)



Red (62%)

Yellow (25%)

Blue (88%)

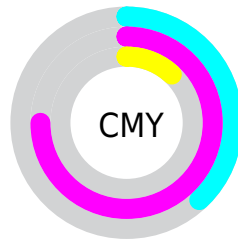


Cyan (29%)

Magenta (71%)

Yellow (0%)

Black (12%)



Cyan (38%)


Magenta (75%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4315, 0.2495, 0.1392 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 16.4315, 0.2495, 0.1392 by changing the saturation by 10% instead.


 16.4315, 0.2495,
0.1392


 16.4315, 0.2495,
0.1392


231.8746, 0.2883,
0.2295


 9.8300, 0.2381,
0.1196


 37.3457, 0.2651,
0.1701


 5.2864, 0.2227,
0.0966


 52.4272, 0.2705,
0.1824


 2.4163, 0.2015,
0.0701


 71.1042, 0.2749,
0.1929

 0.8342, 0.1716,
0.0412

 93.7610, 0.2786,
0.2022

 0.0000, 0.1312,
0.0000

 120.7820, 0.2816,
0.2103

 0.0000, 0.0513,
0.0000

152.5517, 0.2842,

 0.0000, 0.0000,

0.2174

0.0000

189.4545, 0.2864,
0.2238

■ 16.4315, 0.2495,
0.1392

■ 16.4315, 0.2495,
0.1392

■ 13.4439, 0.2383,
0.1202

■ 20.5107, 0.2608,
0.1626

■ 11.4158, 0.2277,
0.1064

■ 25.7890, 0.2716,
0.1891

■ 10.2139, 0.2188,
0.0979

■ 32.3624, 0.2818,
0.2173

■ 40.3167, 0.2910,
0.2461

■ 49.7299, 0.2992,
0.2744

■ 60.6743, 0.3062,
0.3014

■ 73.2172, 0.3122,
0.3266

■ 87.4217, 0.3172,
0.3498

■ 95.7258, 0.3223,
0.3599

Harmonies

Analogous

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



16.4315, 0.1408, 0.1158



16.4315, 0.2495, 0.1392



16.4315, 0.4254, 0.1936

Triad

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



16.4315, 0.2495, 0.1392



16.4315, 0.5499, 0.4501



16.4315, 0.0910, 0.3084

Complementary

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



16.4315, 0.2495, 0.1392



58.5302, 0.3366, 0.5328

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.



16.4315, 0.1629, 0.5506



16.4315, 0.2495, 0.1392



16.4315, 0.4209, 0.5791

Square

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



16.4315, 0.2495, 0.1392



16.4315, 0.6256, 0.3480



16.4315, 0.2834, 0.6672



16.4315, 0.0730, 0.1728

Rectangle

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



16.4315, 0.2495, 0.1392



16.4315, 0.5455, 0.2425



16.4315, 0.2834, 0.6672



16.4315, 0.1079, 0.3819

Sweetspot

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



16.4321, 0.2495, 0.1392



66.4899, 0.2991, 0.2740



22.8042, 0.1978, 0.1896



13.4386, 0.2969, 0.2662



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.



16.4321, 0.2495, 0.1392



16.6279, 0.2333, 0.1132



24.3205, 0.3348, 0.1835



13.6374, 0.3072, 0.3054



6.0126, 0.2202, 0.0987



0.4689, 0.2354, 0.1070

Inverse Universe

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



21.2666, 0.4500, 0.2605



24.2258, 0.4939, 0.2610



55.0020, 0.2978, 0.5419



13.7944, 0.3227, 0.3193



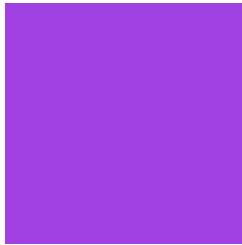
9.7055, 0.5308, 0.2698



0.6903, 0.4909, 0.2478

Previews

White Background



This preview shows how the Yxy color 16.4315, 0.2495, 0.1392 looks on a white background.

Color Contrast Check

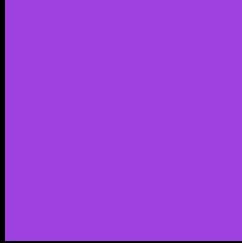
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4315, 0.2495, 0.1392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

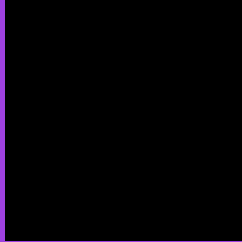
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4315, 0.2495, 0.1392

Background



This preview shows how black text looks on a background with the Yxy color 16.4315, 0.2495, 0.1392.



This preview shows how white text looks on a background with the Yxy color 16.4315, 0.2495, 0.1392.

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

16.4315, 0.2495, 0.1392

Protanopia

16.7068, 0.1739, 0.1461

Deuteranopia

16.5257, 0.1835, 0.1806



Tritanopia

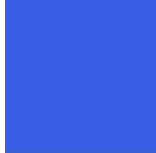
16.2515, 0.3523, 0.3145

Trichromacy



Original Color

16.4315, 0.2495, 0.1392



Protanomaly

14.3000, 0.1798, 0.1312



Deuteranomaly

14.0724, 0.1863, 0.1490



Tritanomaly

15.4315, 0.3079, 0.2272

Monochromacy



Original Color

16.4315, 0.2495, 0.1392



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

14.8616, 0.2856, 0.2285

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4315, 0.2495, 0.1392 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(158, 65, 224)` looks like.

```
.text, #text, p{  
    color:rgb(158, 65, 224)  
}
```

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(158, 65, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 65, 224) }
```

Border

The CSS property to change the border of an element to Yxy 16.4315, 0.2495, 0.1392 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(158, 65, 224) }
```

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

```
.border{ border-color:rgb(158, 65, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 65, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 65, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 65, 224);  
box-shadow:4px 4px 4px 4px rgb(158, 65,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4315, 0.2495, 0.1392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 65, 224) }
```

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

```
.background{ background-color: rgb(158, 65,  
224) }
```

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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