

Converting Colors

$Y_{xy}(16.4298, 0.2174, 0.1349)$

Have a look what the booklet for
Yxy(16.4298, 0.2174, 0.1349)
contains.

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Color

Yxy(16.4298, 0.2174, 0.1349)

Conversions

Conversions Part 1

Format	Color
Hex	7F52E9
RGB	127, 82, 233
RGB Percent	50%, 32%, 91%
CMY	0.5020, 0.6784, 0.0862
CMYK	0.46, 0.65, 0.00, 0.09
HSL	258°, 77%, 62%
HSV	258°, 65%, 91%
XYZ	26.4777, 16.4298, 78.8850
YIQ	112.6690, -21.6510, 56.5010

Conversions

Conversions Part 2

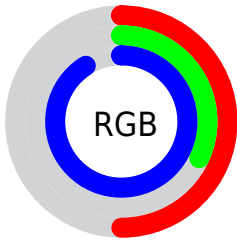
Format	Color
R_{YB}	127, 82, 233
Decimal	8344297
CIE _{Lab}	47.53, 52.70, -70.09
CIE _{LCh}	48, 87.690, 306.940
Yxy	16.4298, 0.2174, 0.1349
Android (android.graphics.Color)	4286534377 (0xFF7F52E9)
YUV	112.6690, 59.3232, 12.5683
Hunter-Lab	40.5337, 45.6670, -87.0141

Details

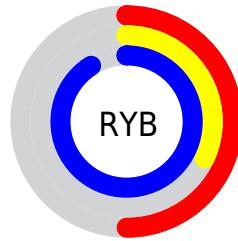
The Yxy color **16.4298, 0.2174, 0.1349** is a dark color, and the websafe version is hex **9966FF**. The color can be described as middle muted purple. A complement of this color would be **69.5990, 0.3680, 0.4981**, and the grayscale version is **16.2366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7093, 0.2596, 0.1924**, and **5.2914, 0.1836, 0.0922** is the 20% darker color. If you saturate the color by 10%, you get **12.3367, 0.2008, 0.1088**, and if you desaturate by 10%, it is **21.9206, 0.2348, 0.1651**.

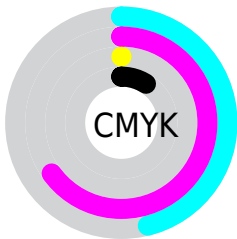
Distribution



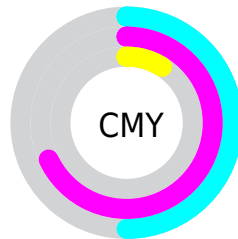
- Red (50%)
- Green (32%)
- Blue (91%)



- Red (50%)
- Yellow (32%)
- Blue (91%)



- Cyan (46%)
- Magenta (65%)
- Yellow (0%)
- Black (9%)





- Cyan (50%)
- Magenta (68%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4298, 0.2174, 0.1349 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 16.4298, 0.2174, 0.1349 by changing the saturation by 10% instead.


 16.4298, 0.2174,
0.1349


 16.4298, 0.2174,
0.1349


231.8647, 0.2719,
0.2273


 9.8288, 0.2027,
0.1151


 37.3428, 0.2383,
0.1664


 5.2856, 0.1837,
0.0920


 52.4235, 0.2459,
0.1789

 2.4158, 0.1589,
0.0658

 71.0996, 0.2521,
0.1898

 0.8340, 0.1262,
0.0378

 93.7555, 0.2574,
0.1992

 0.0000, 0.0858,
0.0000

 120.7756, 0.2618,
0.2076

 0.0000, 0.0000,
0.0000

152.5442, 0.2657,

0.2149

189.4458, 0.2690,
0.2215

■ 16.4298, 0.2174,
0.1349

■ 16.4298, 0.2174,
0.1349

■ 12.3367, 0.2008,
0.1088

■ 21.9206, 0.2348,
0.1651

■ 9.5034, 0.1860,
0.0885

■ 28.9256, 0.2520,
0.1973


■ 7.7650, 0.1739,
0.0751


■ 37.5505, 0.2683,
0.2297


■ 7.1644, 0.1687,
0.0703

■ 47.8909, 0.2831,
0.2611

■ 60.0347, 0.2963,
0.2904

 74.0640, 0.3078,
0.3171

 90.0555, 0.3177,
0.3411

 98.6646, 0.3256,
0.3503

Harmonies

Analogous

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



16.4298, 0.1274, 0.1196



16.4298, 0.2174, 0.1349



16.4298, 0.3729, 0.1808

Triad

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



16.4298, 0.2174, 0.1349



16.4298, 0.5740, 0.4237



16.4298, 0.1102, 0.3652

Complementary

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



16.4298, 0.2174, 0.1349



69.5990, 0.3680, 0.4981

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.



16.4298, 0.1979, 0.5932



16.4298, 0.2174, 0.1349



16.4298, 0.4578, 0.5422

Square

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



16.4298, 0.2174, 0.1349



16.4298, 0.6204, 0.3295



16.4298, 0.3227, 0.6447



16.4298, 0.0794, 0.2029

Rectangle

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



16.4298, 0.2174, 0.1349



16.4298, 0.4944, 0.2263



16.4298, 0.3227, 0.6447



16.4298, 0.1327, 0.4436

Sweetspot

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



16.4303, 0.2174, 0.1349



66.9967, 0.2908, 0.2781



44.6078, 0.2221, 0.2703



13.4336, 0.2870, 0.2696



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.



16.4303, 0.2174, 0.1349



13.7256, 0.1952, 0.1008



24.2411, 0.2862, 0.1666



14.7663, 0.3026, 0.3050



4.1203, 0.1700, 0.0710



0.3718, 0.1847, 0.0791

Inverse Universe

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



26.9961, 0.3713, 0.2193



28.0729, 0.3884, 0.2073



62.5276, 0.3187, 0.5286



15.2329, 0.3183, 0.3126



11.3656, 0.4136, 0.2052



0.9093, 0.3977, 0.1964

Previews

White Background



This preview shows how the Yxy color 16.4298, 0.2174, 0.1349 looks on a white background.

Color Contrast Check

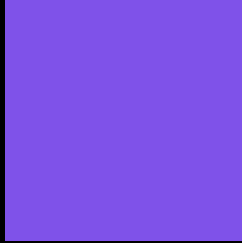
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4298, 0.2174, 0.1349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

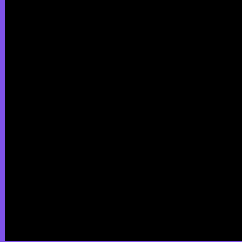
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4298, 0.2174, 0.1349

Background



This preview shows how black text looks on a background with the Yxy color 16.4298, 0.2174, 0.1349.



This preview shows how white text looks on a background with the Yxy color 16.4298, 0.2174, 0.1349.

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

16.4298, 0.2174, 0.1349

Protanopia

16.6504, 0.1741, 0.1468

Deuteranopia

16.3850, 0.1844, 0.1838



Tritanopia

16.3694, 0.2829, 0.3105

Trichromacy



Original Color

16.4298, 0.2174, 0.1349



Protanomaly

15.2740, 0.1774, 0.1354



Deuteranomaly

14.9845, 0.1842, 0.1556



Tritanomaly

15.6320, 0.2526, 0.2211

Monochromacy



Original Color

16.4298, 0.2174, 0.1349



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

15.7886, 0.2689, 0.2319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4298, 0.2174, 0.1349 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(127, 82, 233)` looks like.

```
.text, #text, p{  
    color:rgb(127, 82, 233)  
}
```

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(127, 82, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 82, 233) }
```

Border

The CSS property to change the border of an element to Yxy 16.4298, 0.2174, 0.1349 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(127, 82, 233) }
```

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

```
.border{ border-color:rgb(127, 82, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 82, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 82, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 82, 233);  
box-shadow:4px 4px 4px 4px rgb(127, 82,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4298, 0.2174, 0.1349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 82, 233) }
```

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

```
.background{ background-color: rgb(127, 82,  
233) }
```

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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