

Converting Colors

$Y_{xy}(16.7062, 0.2350, 0.1186)$

Have a look what the booklet for
Yxy(16.7062, 0.2350, 0.1186)
contains.

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Color

Yxy(16.7176, 0.2349, 0.1186)

Conversions

Conversions Part 1

Format	Color
Hex	A231F9
RGB	162, 49, 249
RGB Percent	64%, 19%, 98%
CMY	0.3644, 0.8082, 0.0234
CMYK	0.35, 0.80, 0.00, 0.02
HSL	274°, 94%, 58%
HSV	274°, 80%, 98%
XYZ	33.1110, 16.7176, 91.1292
YIQ	105.5870, 3.1480, 86.1560

Conversions

Conversions Part 2

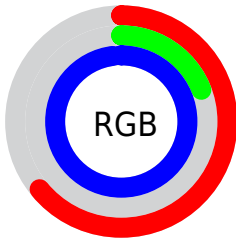
Format	Color
R _Y B	162, 49, 249
Decimal	10629625
CIE Lab	47.90, 76.37, -78.30
CIE LCh	48, 109.382, 314.286
Yxy	16.7176, 0.2349, 0.1186
Android (android.graphics.Color)	4288819705 (0xFFA231F9)
YUV	105.5870, 70.7026, 49.4742
Hunter-Lab	40.8872, 72.9993, -103.5244

Details

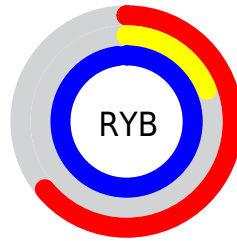
The Yxy color **16.7176, 0.2349, 0.1186** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **73.2141, 0.3365, 0.5527**, and the grayscale version is **14.0876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.8453, 0.2899, 0.1819**, and **6.5283, 0.2078, 0.0919** is the 20% darker color. If you saturate the color by 10%, you get **14.0975, 0.2238, 0.1043**, and if you desaturate by 10%, it is **20.5842, 0.2466, 0.1381**.

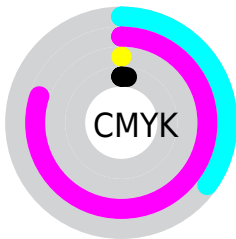
Distribution



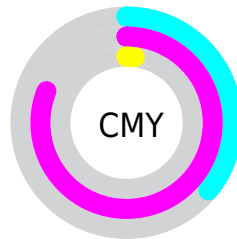
- Red (64%)
- Green (19%)
- Blue (98%)



- Red (64%)
- Yellow (19%)
- Blue (98%)



- Cyan (35%)
- Magenta (80%)
- Yellow (0%)
- Black (2%)





- Cyan (36%)
- Magenta (81%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7176, 0.2349, 0.1186 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 16.7176, 0.2349, 0.1186 by changing the saturation by 10% instead.


 16.7176, 0.2349,
0.1186


 16.7176, 0.2349,
0.1186


233.5397, 0.2814,
0.2135


 10.0334, 0.2221,
0.0996


 37.8396, 0.2530,
0.1498


 5.4211, 0.2054,
0.0781


 53.0461, 0.2595,
0.1625


 2.4964, 0.1834,
0.0546


 71.8622, 0.2648,
0.1737

 0.8748, 0.1541,
0.0307

 94.6722, 0.2693,
0.1836

 0.0000, 0.1168,
0.0000

 121.8606, 0.2731,
0.1924

 0.0000, 0.0660,
0.0000

153.8117, 0.2763,

 0.0000, 0.0000,

0.2002

0.0000

190.9099, 0.2790,
0.2072

■ 16.7176, 0.2349,
0.1186

■ 16.7176, 0.2349,
0.1186

■ 14.0975, 0.2238,
0.1043

■ 20.5842, 0.2466,
0.1381


■ 12.4885, 0.2140,
0.0952


■ 25.8639, 0.2584,
0.1621

■ 32.6985, 0.2699,
0.1892


■ 41.2113, 0.2806,
0.2180

■ 51.5130, 0.2903,
0.2472

 63.7048, 0.2988,
0.2757

 77.8799, 0.3062,
0.3028

 94.1252, 0.3125,
0.3281

 99.6215, 0.3162,
0.3347

Harmonies

Analogous

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



16.7176, 0.1200, 0.0954



16.7176, 0.2349, 0.1186



16.7176, 0.4377, 0.1744

Triad

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



16.7176, 0.2349, 0.1186



16.7176, 0.5636, 0.4364



16.7176, 0.0666, 0.3010

Complementary

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



16.7176, 0.2349, 0.1186



73.2141, 0.3365, 0.5527

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.



16.7176, 0.1358, 0.6062



16.7176, 0.2349, 0.1186



16.7176, 0.4109, 0.5891

Square

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



16.7176, 0.2349, 0.1186



16.7176, 0.6624, 0.3290



16.7176, 0.2606, 0.7264



16.7176, 0.0525, 0.1507

Rectangle

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



16.7176, 0.2349, 0.1186



16.7176, 0.5811, 0.2247



16.7176, 0.2606, 0.7264



16.7176, 0.0818, 0.3908

Sweetspot

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



16.7181, 0.2349, 0.1186



62.2752, 0.2958, 0.2654



25.9451, 0.1880, 0.1768



12.3543, 0.2928, 0.2552



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.



16.7181, 0.2349, 0.1186



13.7960, 0.2178, 0.0986



28.5670, 0.3307, 0.1695



17.1273, 0.3068, 0.3051



6.7686, 0.2155, 0.0961



0.6896, 0.2276, 0.1027

Inverse Universe

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



24.1072, 0.4732, 0.2558



22.7557, 0.5177, 0.2645



68.7358, 0.2990, 0.5720



17.3505, 0.3225, 0.3187



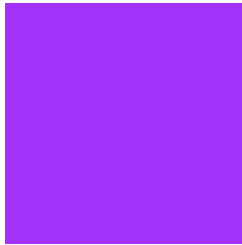
11.3896, 0.5239, 0.2660



1.0757, 0.4938, 0.2494

Previews

White Background



This preview shows how the Yxy color 16.7176, 0.2349, 0.1186 looks on a white background.

Color Contrast Check

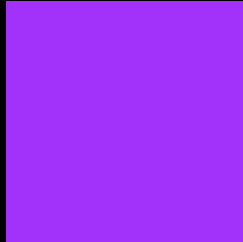
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7176, 0.2349, 0.1186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

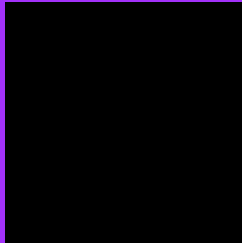
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7176, 0.2349, 0.1186

Background



This preview shows how black text looks on a background with the Yxy color 16.7176, 0.2349, 0.1186.



This preview shows how white text looks on a background with the Yxy color 16.7176, 0.2349, 0.1186.

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

16.7176, 0.2349, 0.1186

Protanopia

16.9214, 0.1743, 0.1475

Deuteranopia

16.9396, 0.1848, 0.1852



Tritanopia

16.5296, 0.3459, 0.3144

Trichromacy



Original Color

16.7176, 0.2349, 0.1186



Protanomaly

14.0823, 0.1767, 0.1200



Deuteranomaly

13.6461, 0.1830, 0.1366



Tritanomaly

15.1254, 0.2956, 0.2085

Monochromacy



Original Color

16.7176, 0.2349, 0.1186



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

13.4012, 0.2756, 0.2049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7176, 0.2349, 0.1186 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(162, 49, 249)` looks like.

```
.text, #text, p{  
    color:rgb(162, 49, 249)  
}
```

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(162, 49, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 49, 249) }
```

Border

The CSS property to change the border of an element to Yxy 16.7176, 0.2349, 0.1186 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(162, 49, 249) }
```

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

```
.border{ border-color:rgb(162, 49, 249) }
```

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

Here you see how a box with a 4 pixel rgb(162, 49, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 49, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 49, 249);  
box-shadow:4px 4px 4px 4px rgb(162, 49,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7176, 0.2349, 0.1186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 49, 249) }
```

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

```
.background{ background-color: rgb(162, 49,  
249) }
```

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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