

Converting Colors

$Y_{xy}(17.6917, 0.2424, 0.1326)$

Have a look what the booklet for
Yxy(17.6917, 0.2424, 0.1326)
contains.

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Color

Yxy(17.6940, 0.2426, 0.1326)

Conversions

Conversions Part 1

Format	Color
Hex	A241EF
RGB	162, 65, 239
RGB Percent	64%, 25%, 94%
CMY	0.3647, 0.7451, 0.0627
CMYK	0.32, 0.73, 0.00, 0.06
HSL	273°, 84%, 60%
HSV	273°, 73%, 94%
XYZ	32.3723, 17.6940, 83.3726
YIQ	113.8390, 1.9580, 74.6780

Conversions

Conversions Part 2

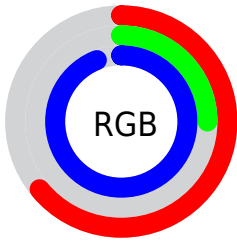
Format	Color
R _Y B	162, 65, 239
Decimal	10633711
CIE Lab	49.12, 68.48, -70.69
CIE LCh	49, 98.419, 314.089
Yxy	17.6940, 0.2426, 0.1326
Android (android.graphics.Color)	4288823791 (0xFFA241EF)
YUV	113.8390, 61.7044, 42.2372
Hunter-Lab	42.0642, 63.7597, -88.0697

Details

The Yxy color **17.6940, 0.2426, 0.1326** is a light color, and the websafe version is hex **9900CC**. The color can be described as light muted purple. A complement of this color would be **67.8658, 0.3392, 0.5358**, and the grayscale version is **16.5881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4243, 0.2893, 0.1915**, and **6.2610, 0.2159, 0.0963** is the 20% darker color. If you saturate the color by 10%, you get **14.4457, 0.2308, 0.1141**, and if you desaturate by 10%, it is **22.1964, 0.2546, 0.1557**.

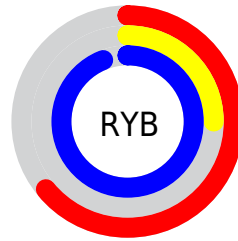
Distribution



Red (64%)

Green (25%)

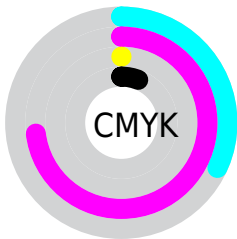
Blue (94%)



Red (64%)

Yellow (25%)

Blue (94%)

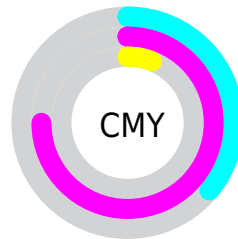


Cyan (32%)

Magenta (73%)

Yellow (0%)

Black (6%)



Cyan (36%)

Magenta (75%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6940, 0.2426, 0.1326 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 17.6940, 0.2426, 0.1326 by changing the saturation by 10% instead.


 17.6940, 0.2426,
0.1326


 17.6940, 0.2426,
0.1326


239.1406, 0.2846,
0.2235

 10.7305, 0.2307,
0.1136


 39.5152, 0.2591,
0.1631


 5.8859, 0.2151,
0.0916


 55.1417, 0.2650,
0.1754

 2.7758, 0.1941,
0.0667


 74.4247, 0.2698,
0.1861

 1.0159, 0.1655,
0.0400

 97.7486, 0.2738,
0.1954

 0.0000, 0.1283,
0.0000

 125.4977, 0.2771,
0.2037

 0.0000, 0.0715,
0.0000

158.0565, 0.2800,

 0.0000, 0.0000,

0.2111

0.0000

195.8093, 0.2825,
0.2176

■ 17.6940, 0.2426,
0.1326

■ 17.6940, 0.2426,
0.1326

■ 14.4457, 0.2308,
0.1141

■ 22.1964, 0.2546,
0.1557

■ 12.2898, 0.2198,
0.1010

■ 28.0835, 0.2664,
0.1823

■ 11.2396, 0.2125,
0.0944

■ 35.4710, 0.2775,
0.2109

■ 44.4616, 0.2876,
0.2401

■ 55.1486, 0.2966,
0.2689

67.6182, 0.3044,
0.2964

81.9504, 0.3110,
0.3221

97.4555, 0.3167,
0.3446

99.0122, 0.3220,
0.3444

Harmonies

Analogous

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



17.6940, 0.1334, 0.1098



17.6940, 0.2426, 0.1326



17.6940, 0.4248, 0.1869

Triad

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



17.6940, 0.2426, 0.1326



17.6940, 0.5559, 0.4441



17.6940, 0.0849, 0.3107

Complementary

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



17.6940, 0.2426, 0.1326



67.8658, 0.3392, 0.5358

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.



17.6940, 0.1578, 0.5701



17.6940, 0.2426, 0.1326



17.6940, 0.4211, 0.5789

Square

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



17.6940, 0.2426, 0.1326



17.6940, 0.6365, 0.3414



17.6940, 0.2802, 0.6821



17.6940, 0.0670, 0.1683

Rectangle

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



17.6940, 0.2426, 0.1326



17.6940, 0.5519, 0.2362



17.6940, 0.2802, 0.6821



17.6940, 0.1018, 0.3895

Sweetspot

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



17.6946, 0.2426, 0.1326



64.8734, 0.2972, 0.2710



27.0901, 0.1971, 0.1933



13.1128, 0.2949, 0.2633



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.



17.6946, 0.2426, 0.1326



15.4683, 0.2258, 0.1076



27.8612, 0.3292, 0.1770



15.6633, 0.3067, 0.3052



6.2902, 0.2140, 0.0953



0.5822, 0.2275, 0.1027

Inverse Universe

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



24.0835, 0.4486, 0.2550



24.0031, 0.4899, 0.2562



63.3488, 0.2994, 0.5534



15.8751, 0.3224, 0.3186



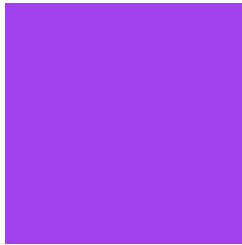
10.7386, 0.5201, 0.2639



0.9131, 0.4874, 0.2459

Previews

White Background



This preview shows how the Yxy color 17.6940, 0.2426, 0.1326 looks on a white background.

Color Contrast Check

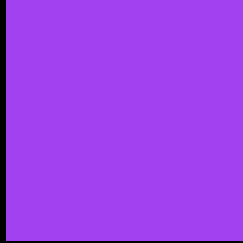
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.6940, 0.2426, 0.1326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

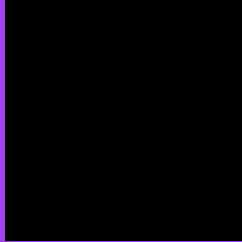
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.6940, 0.2426, 0.1326

Background



This preview shows how black text looks on a background with the Yxy color 17.6940, 0.2426, 0.1326.



This preview shows how white text looks on a background with the Yxy color 17.6940, 0.2426, 0.1326.

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

17.6940, 0.2426, 0.1326

Protanopia

17.9833, 0.1741, 0.1467

Deuteranopia

17.7477, 0.1837, 0.1813



Tritanopia

17.4984, 0.3438, 0.3130

Trichromacy



Original Color

17.6940, 0.2426, 0.1326



Protanomaly

15.4686, 0.1790, 0.1293



Deuteranomaly

14.9680, 0.1851, 0.1454



Tritanomaly

16.4305, 0.2995, 0.2207

Monochromacy



Original Color

17.6940, 0.2426, 0.1326



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

15.6942, 0.2817, 0.2233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6940, 0.2426, 0.1326 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, 65, 239)` looks like.

```
.text, #text, p{  
    color:rgb(162, 65, 239)  
}
```

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, 65, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 65, 239) }
```

Border

The CSS property to change the border of an element to Yxy 17.6940, 0.2426, 0.1326 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, 65, 239) }
```

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

```
.border{ border-color:rgb(162, 65, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 65, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 65, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 65, 239);  
box-shadow:4px 4px 4px 4px rgb(162, 65,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6940, 0.2426, 0.1326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 65, 239) }
```

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

```
.background{ background-color: rgb(162, 65,  
239) }
```

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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