

Converting Colors

$Y_{xy}(18.0008, 0.2783, 0.1422)$

Have a look what the booklet for
Yxy(18.0008, 0.2783, 0.1422)
contains.

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Color

Yxy(17.9326, 0.2776, 0.1416)

Conversions

Conversions Part 1

Format	Color
Hex	BB2DE2
RGB	187, 45, 226
RGB Percent	73%, 18%, 89%
CMY	0.2667, 0.8234, 0.1138
CMYK	0.17, 0.80, 0.00, 0.11
HSL	287°, 76%, 53%
HSV	287°, 80%, 89%
XYZ	35.1560, 17.9326, 73.5541
YIQ	108.0920, 26.5310, 86.3950

Conversions

Conversions Part 2

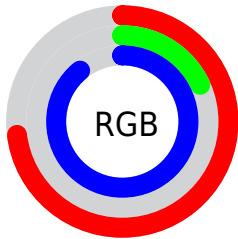
Format	Color
RYB	187, 45, 226
Decimal	12266978
CIELab	49.41, 76.96, -62.70
CIElCh	49, 99.267, 320.827
Yxy	17.9326, 0.2776, 0.1416
Android (android.graphics.Color)	4290457058 (0xFFBB2DE2)
YUV	108.0920, 58.1286, 69.2023
Hunter-Lab	42.3469, 74.0820, -73.3404

Details

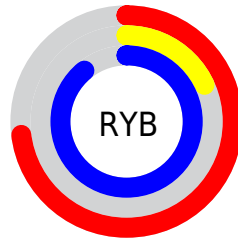
The Yxy color **17.9326, 0.2776, 0.1416** is a light color, and the websafe version is hex **9900CC**. The color can be described as light washed purple. A complement of this color would be **56.4648, 0.3148, 0.5673**, and the grayscale version is **14.8566, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7193, 0.3118, 0.1904**, and **7.4915, 0.2595, 0.1203** is the 20% darker color. If you saturate the color by 10%, you get **16.0406, 0.2718, 0.1308**, and if you desaturate by 10%, it is **20.7688, 0.2834, 0.1571**.

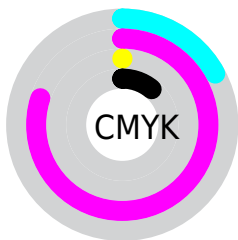
Distribution



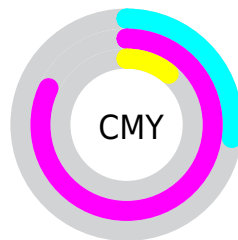
- Red (73%)
- Green (18%)
- Blue (89%)



- Red (73%)
- Yellow (18%)
- Blue (89%)



- Cyan (17%)
- Magenta (80%)
- Yellow (0%)
- Black (11%)




- Cyan (27%)
- Magenta (82%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9326, 0.2776, 0.1416 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 17.9326, 0.2776, 0.1416 by changing the saturation by 10% instead.


 17.9326, 0.2776,
0.1416


 17.9326, 0.2776,
0.1416

240.4909, 0.3019,
0.2292


 10.9016, 0.2698,
0.1228


 39.9224, 0.2878,
0.1714


 6.0007, 0.2588,
0.1007


 55.6501, 0.2913,
0.1832


 2.8455, 0.2432,
0.0752


 75.0454, 0.2940,
0.1935

 1.0516, 0.2199,
0.0469

 98.4928, 0.2962,
0.2024

 0.0000, 0.1880,
0.0000

 126.3766, 0.2980,
0.2103

 0.0000, 0.1307,
0.0000

159.0813, 0.2995,

 0.0000, 0.0000,

0.2173

0.0000

196.9913, 0.3008,
0.2236

■ 17.9326, 0.2776,
0.1416

■ 17.9326, 0.2776,
0.1416

■ 16.0406, 0.2718,
0.1308

■ 20.7688, 0.2834,
0.1571

■ 14.8708, 0.2662,
0.1240

■ 24.6763, 0.2891,
0.1767

■ 29.7645, 0.2944,
0.1998

■ 36.1287, 0.2992,
0.2250

■ 43.8545, 0.3035,
0.2515

■ 53.0197, 0.3071,
0.2781

■ 63.6964, 0.3102,
0.3040

■ 75.9518, 0.3127,
0.3288

■ 89.8489, 0.3147,
0.3520

Harmonies

Analogous

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



17.9326, 0.1513, 0.1118



17.9326, 0.2776, 0.1416



17.9326, 0.4708, 0.2024

Triad

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



17.9326, 0.2776, 0.1416



17.9326, 0.5282, 0.4718



17.9326, 0.0765, 0.2666

Complementary

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



17.9326, 0.2776, 0.1416



56.4648, 0.3148, 0.5673

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.



17.9326, 0.1350, 0.5113



17.9326, 0.2776, 0.1416



17.9326, 0.3889, 0.6111

Square

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



17.9326, 0.2776, 0.1416



17.9326, 0.6271, 0.3612



17.9326, 0.2501, 0.6846



17.9326, 0.0674, 0.1508

Rectangle

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



17.9326, 0.2776, 0.1416



17.9326, 0.5865, 0.2532



17.9326, 0.2501, 0.6846



17.9326, 0.0890, 0.3345

Sweetspot

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



17.9333, 0.2776, 0.1416



64.5581, 0.3057, 0.2672



12.4275, 0.1734, 0.1197



12.9062, 0.3044, 0.2577



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.



17.9333, 0.2776, 0.1416



20.0309, 0.2681, 0.1261



21.1311, 0.3865, 0.2041



13.7788, 0.3104, 0.3057



8.5381, 0.2671, 0.1245



0.6293, 0.2758, 0.1293

Inverse Universe

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



18.6876, 0.5398, 0.2975



21.8399, 0.5969, 0.3086



55.7974, 0.2855, 0.5239



13.7486, 0.3258, 0.3240



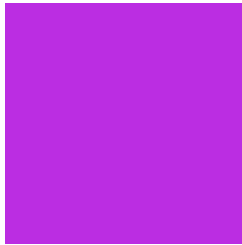
9.3637, 0.6025, 0.3093



0.6623, 0.5595, 0.2856

Previews

White Background



This preview shows how the Yxy color 17.9326, 0.2776, 0.1416 looks on a white background.

Color Contrast Check

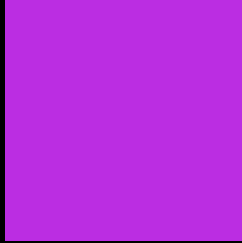
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.9326, 0.2776, 0.1416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

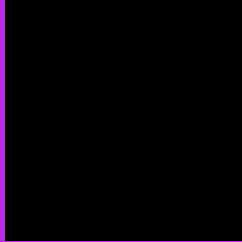
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9326, 0.2776, 0.1416

Background



This preview shows how black text looks on a background with the Yxy color 17.9326, 0.2776, 0.1416.



This preview shows how white text looks on a background with the Yxy color 17.9326, 0.2776, 0.1416.

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

17.9326, 0.2776, 0.1416

Protanopia

18.3259, 0.1741, 0.1467

Deuteranopia

18.2370, 0.1828, 0.1780



Tritanopia

17.8911, 0.4132, 0.3186

Trichromacy



Original Color

17.9326, 0.2776, 0.1416



Protanomaly

14.3719, 0.1813, 0.1243



Deuteranomaly

14.1196, 0.1874, 0.1396



Tritanomaly

16.6760, 0.3575, 0.2302

Monochromacy



Original Color

17.9326, 0.2776, 0.1416



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

14.0497, 0.2984, 0.2189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9326, 0.2776, 0.1416 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(187, 45, 226)` looks like.

```
.text, #text, p{  
    color:rgb(187, 45, 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(187, 45, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 45, 226) }
```

Border

The CSS property to change the border of an element to Yxy 17.9326, 0.2776, 0.1416 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(187, 45, 226) }
```

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

```
.border{ border-color:rgb(187, 45, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 45, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 45, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 45, 226);  
box-shadow:4px 4px 4px 4px rgb(187, 45,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9326, 0.2776, 0.1416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 45, 226) }
```

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

```
.background{ background-color: rgb(187, 45,  
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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