

# Converting Colors

$Y_{xy}(17.4331, 0.2816, 0.1596)$

Have a look what the booklet for  
Yxy(17.4331, 0.2816, 0.1596)  
contains.

<b>Yxy(17.4001, 0.2818, 0.1599)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

**Color**

**Yxy(17.4001, 0.2818, 0.1599)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AE42CF
RGB	174, 66, 207
RGB Percent	68%, 26%, 81%
CMY	0.3176, 0.7412, 0.1884
CMYK	0.16, 0.68, 0.00, 0.19
HSL	286°, 59%, 54%
HSV	286°, 68%, 81%
XYZ	30.6651, 17.4001, 60.7534
YIQ	114.3660, 19.1070, 66.7470

# Conversions

## Conversions Part 2

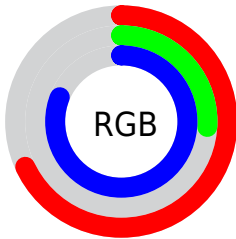
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	174, 66, 207
Decimal	11420367
CIE <sub>Lab</sub>	48.76, 63.79, -53.00
CIE <sub>LCh</sub>	49, 82.933, 320.281
Yxy	17.4001, 0.2818, 0.1599
Android (android.graphics.Color)	4289610447 (0xFFAE42CF)
YUV	114.3660, 45.6686, 52.2990
Hunter-Lab	41.7134, 58.2235, -57.1534

# Details

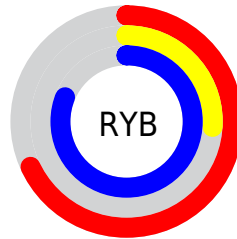
The Yxy color **17.4001, 0.2818, 0.1599** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **47.6543, 0.3197, 0.5358**, and the grayscale version is **16.7998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4627, 0.2990, 0.1962**, and **6.0489, 0.2641, 0.1228** is the 20% darker color. If you saturate the color by 10%, you get **14.8583, 0.2755, 0.1431**, and if you desaturate by 10%, it is **20.8379, 0.2879, 0.1807**.

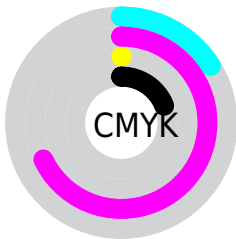
# Distribution



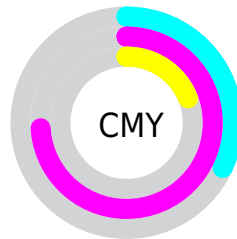
- Red (68%)
- Green (26%)
- Blue (81%)



- Red (68%)
- Yellow (26%)
- Blue (81%)



- Cyan (16%)
- Magenta (68%)
- Yellow (0%)
- Black (19%)



- Cyan (32%)
- Magenta (74%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 17.4001, 0.2818, 0.1599 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 17.4001, 0.2818, 0.1599 by changing the saturation by 10% instead.





 17.4001, 0.2818,  
0.1599


 17.4001, 0.2818,  
0.1599


237.4676, 0.3030,  
0.2424


 10.5202, 0.2747,  
0.1410


 39.0124, 0.2909,  
0.1888


 5.7452, 0.2646,  
0.1181


 54.5136, 0.2939,  
0.2001


 2.6908, 0.2495,  
0.0906


 73.6573, 0.2963,  
0.2097

 0.9725, 0.2262,  
0.0584

 96.8279, 0.2982,  
0.2180

 0.0000, 0.1931,  
0.0000

 124.4099, 0.2997,  
0.2253

 0.0000, 0.1072,  
0.0000

156.7875, 0.3010,

 0.0000, 0.0000,

0.2317

0.0000

194.3453, 0.3021,  
0.2374

■ 17.4001, 0.2818,  
0.1599

■ 17.4001, 0.2818,  
0.1599

■ 14.8583, 0.2755,  
0.1431

■ 20.8379, 0.2879,  
0.1807

■ 13.1106, 0.2692,  
0.1308

■ 25.2546, 0.2936,  
0.2045

■ 12.0104, 0.2631,  
0.1230

■ 30.7257, 0.2987,  
0.2303

■ 11.8318, 0.2619,  
0.1217

■ 37.3189, 0.3033,  
0.2569

■ 45.0960, 0.3072,  
0.2834

■ 54.1143, 0.3105,  
0.3091

■ 64.4274, 0.3132,  
0.3335

■ 76.0856, 0.3154,  
0.3562

■ 89.1366, 0.3171,  
0.3772

# Harmonies

## Analogous

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



17.4001, 0.1680, 0.1317



17.4001, 0.2818, 0.1599



17.4001, 0.4459, 0.2171

# Triad

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



17.4001, 0.2818, 0.1599



17.4001, 0.5217, 0.4739



17.4001, 0.1013, 0.2840

# Complementary

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



17.4001, 0.2818, 0.1599



47.6543, 0.3197, 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.



17.4001, 0.1628, 0.4844



17.4001, 0.2818, 0.1599



17.4001, 0.4009, 0.5844

# Square

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



17.4001, 0.2818, 0.1599



17.4001, 0.5959, 0.3722



17.4001, 0.2737, 0.6272



17.4001, 0.0882, 0.1745



# Rectangle

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



17.4001, 0.2818, 0.1599



17.4001, 0.5453, 0.2658



17.4001, 0.2737, 0.6272



17.4001, 0.1154, 0.3426

# Sweetspot

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



17.4008, 0.2818, 0.1599



69.4741, 0.3064, 0.2778



15.0172, 0.1931, 0.1595



14.0942, 0.3053, 0.2703



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.



17.4008, 0.2818, 0.1599



22.3046, 0.2724, 0.1365



20.1261, 0.3650, 0.2093



11.8640, 0.3101, 0.3058



7.5019, 0.2628, 0.1221



0.4541, 0.2739, 0.1283



# Inverse Universe

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



18.0581, 0.4851, 0.2928



24.0285, 0.5440, 0.2953



46.7133, 0.2875, 0.4991



11.8529, 0.3254, 0.3236



8.5066, 0.5964, 0.3059



0.4882, 0.5433, 0.2767



# Previews

## White Background



This preview shows how the Yxy color 17.4001, 0.2818, 0.1599 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

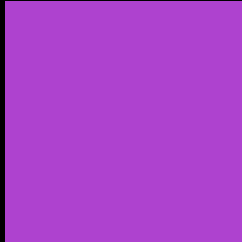
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 17.4001, 0.2818, 0.1599 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

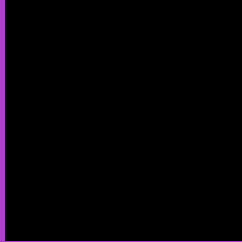
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**Yxy 17.4001, 0.2818, 0.1599**

## Background



This preview shows how black text looks on a background with the Yxy color 17.4001, 0.2818, 0.1599.



This preview shows how white text looks on a background with the Yxy color 17.4001, 0.2818, 0.1599.

# 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

17.4001, 0.2818, 0.1599

### Protanopia

17.7614, 0.1737, 0.1454

### Deuteranopia

17.6697, 0.1987, 0.1925



## Tritanopia

17.4379, 0.3930, 0.3178

# Trichromacy



## Original Color

17.4001, 0.2818, 0.1599



## Protanomaly

14.7872, 0.1831, 0.1353



## Deuteranomaly

15.6617, 0.2167, 0.1683



## Tritanomaly

16.7989, 0.3479, 0.2447

# Monochromacy



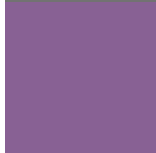
## Original Color

17.4001, 0.2818, 0.1599



## Achromatopsia

16.8269, 0.3127, 0.3290



## Achromatomaly

15.9217, 0.3008, 0.2422

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 17.4001, 0.2818, 0.1599 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(174, 66, 207)` looks like.

```
.text, #text, p{  
    color:rgb(174, 66, 207)  
}
```

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(174, 66, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 66, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 17.4001, 0.2818, 0.1599 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(174, 66, 207) }
```

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

```
.border{ border-color:rgb(174, 66, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 66, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 66, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 66, 207);  
box-shadow:4px 4px 4px 4px rgb(174, 66,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 17.4001, 0.2818, 0.1599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 66, 207) }
```

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

```
.background{ background-color: rgb(174, 66,  
207) }
```

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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