

Converting Colors

$Y_{xy}(17.4715, 0.2424, 0.1589)$

Have a look what the booklet for
Yxy(17.4715, 0.2424, 0.1589)
contains.

Yxy(17.4972, 0.2426, 0.1595)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.4972, 0.2426, 0.1595)

Conversions

Conversions Part 1

Format	Color
Hex	8D58D6
RGB	141, 88, 214
RGB Percent	55%, 35%, 84%
CMY	0.4470, 0.6549, 0.1608
CMYK	0.34, 0.59, 0.00, 0.16
HSL	265°, 61%, 59%
HSV	265°, 59%, 84%
XYZ	26.6133, 17.4972, 65.5898
YIQ	118.2110, -8.8580, 50.4220

Conversions

Conversions Part 2

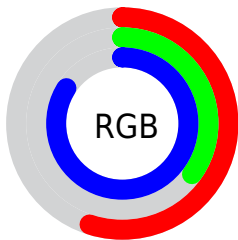
Format	Color
R _Y B	141, 88, 214
Decimal	9263318
CIE Lab	48.88, 47.45, -57.05
CIE LCh	49, 74.201, 309.753
Yxy	17.4972, 0.2426, 0.1595
Android (android.graphics.Color)	4287453398 (0xFF8D58D6)
YUV	118.2110, 47.2240, 19.9860
Hunter-Lab	41.8297, 40.3652, -63.6873

Details

The Yxy color **17.4972, 0.2426, 0.1595** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **56.3697, 0.3526, 0.4908**, and the grayscale version is **18.0382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9819, 0.2698, 0.2021**, and **5.7861, 0.2152, 0.1174** is the 20% darker color. If you saturate the color by 10%, you get **13.4590, 0.2276, 0.1325**, and if you desaturate by 10%, it is **22.6891, 0.2574, 0.1892**.

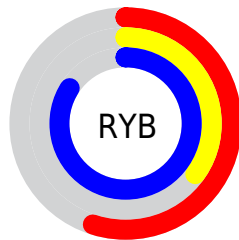
Distribution



Red (55%)

Green (35%)

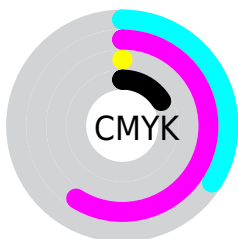
Blue (84%)



Red (55%)

Yellow (35%)

Blue (84%)

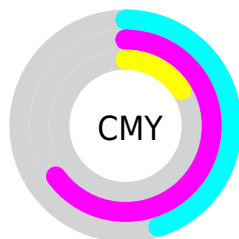


Cyan (34%)

Magenta (59%)

Yellow (0%)

Black (16%)



Cyan (45%)


Magenta (65%)

Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4972, 0.2426, 0.1595 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 17.4972, 0.2426, 0.1595 by changing the saturation by 10% instead.


 17.4972, 0.2426,
0.1595


 17.4972, 0.2426,
0.1595


238.0215, 0.2839,
0.2431


 10.5896, 0.2307,
0.1403


 39.1787, 0.2589,
0.1889


 5.7916, 0.2148,
0.1170


 54.7214, 0.2646,
0.2003


 2.7188, 0.1929,
0.0891

 73.9112, 0.2693,
0.2100

 0.9867, 0.1619,
0.0567

 97.1326, 0.2732,
0.2185

 0.0000, 0.1207,
0.0000

 124.7699, 0.2765,
0.2258

 0.0000, 0.0000,
0.0000

157.2076, 0.2793,

0.2323

194.8300, 0.2818,
0.2380

■ 17.4972, 0.2426,
0.1595

■ 17.4972, 0.2426,
0.1595

■ 13.4590, 0.2276,
0.1325

■ 22.6891, 0.2574,
0.1892

■ 10.4754, 0.2130,
0.1099

■ 29.1184, 0.2713,
0.2200

■ 8.4330, 0.1997,
0.0928

■ 36.8631, 0.2840,
0.2504

■ 7.1535, 0.1882,
0.0815

■ 45.9941, 0.2953,
0.2796

■ 7.0312, 0.1870,
0.0804

■ 56.5770, 0.3051,
0.3068

■ 68.6732, 0.3136,
0.3317

■ 82.3407, 0.3208,
0.3542

■ 94.9303, 0.3273,
0.3703

■ 97.1762, 0.3354,
0.3693

Harmonies

Analogous

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



17.4972, 0.1547, 0.1427



17.4972, 0.2426, 0.1595



17.4972, 0.3798, 0.2051

Triad

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



17.4972, 0.2426, 0.1595



17.4972, 0.5389, 0.4356



17.4972, 0.1329, 0.3470

Complementary

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



17.4972, 0.2426, 0.1595



56.3697, 0.3526, 0.4908

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.



17.4972, 0.2119, 0.5261



17.4972, 0.2426, 0.1595



17.4972, 0.4422, 0.5340

Square

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



17.4972, 0.2426, 0.1595



17.4972, 0.5787, 0.3488



17.4972, 0.3254, 0.5980



17.4972, 0.1037, 0.2162

Rectangle

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



17.4972, 0.2426, 0.1595



17.4972, 0.4785, 0.2485



17.4972, 0.3254, 0.5980



17.4972, 0.1534, 0.4071

Sweetspot

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



17.4978, 0.2426, 0.1595



69.4321, 0.2960, 0.2816



32.5926, 0.2231, 0.2508



13.9506, 0.2929, 0.2732



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.



17.4978, 0.2426, 0.1595



18.6082, 0.2234, 0.1256



24.5997, 0.3078, 0.1875



12.2615, 0.3047, 0.3054



4.3083, 0.1885, 0.0812



0.3079, 0.2081, 0.0920

Inverse Universe

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



23.8464, 0.3849, 0.2438



29.3979, 0.4089, 0.2320



51.4198, 0.3095, 0.5150



12.5402, 0.3201, 0.3156



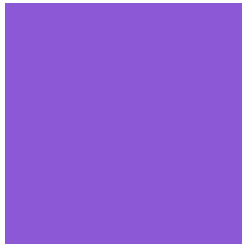
9.5410, 0.4616, 0.2317



0.5918, 0.4308, 0.2147

Previews

White Background



This preview shows how the Yxy color 17.4972, 0.2426, 0.1595 looks on a white background.

Color Contrast Check

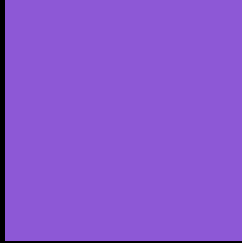
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.4972, 0.2426, 0.1595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

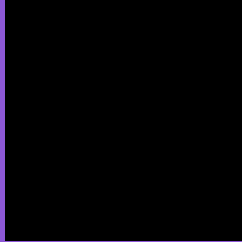
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.4972, 0.2426, 0.1595

Background



This preview shows how black text looks on a background with the Yxy color 17.4972, 0.2426, 0.1595.



This preview shows how white text looks on a background with the Yxy color 17.4972, 0.2426, 0.1595.

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

17.4972, 0.2426, 0.1595

Protanopia

17.7614, 0.1737, 0.1454

Deuteranopia

17.7439, 0.1865, 0.1807



Tritanopia

17.4263, 0.3148, 0.3120

Trichromacy



Original Color

17.4972, 0.2426, 0.1595



Protanomaly

16.0614, 0.1808, 0.1427



Deuteranomaly

16.3975, 0.1951, 0.1660



Tritanomaly

17.0130, 0.2854, 0.2419

Monochromacy



Original Color

17.4972, 0.2426, 0.1595



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

17.2509, 0.2830, 0.2489

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4972, 0.2426, 0.1595 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(141, 88, 214)` looks like.

```
.text, #text, p{  
    color:rgb(141, 88, 214)  
}
```

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(141, 88, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 88, 214) }
```

Border

The CSS property to change the border of an element to Yxy 17.4972, 0.2426, 0.1595 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(141, 88, 214) }
```

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

```
.border{ border-color:rgb(141, 88, 214) }
```

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

Here you see how a box with a 4 pixel rgb(141, 88, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 88, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 88, 214);  
box-shadow:4px 4px 4px 4px rgb(141, 88,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4972, 0.2426, 0.1595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 88, 214) }
```

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

```
.background{ background-color: rgb(141, 88,  
214) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor