

Converting Colors

$Y_{xy}(17.4861, 0.2180, 0.1364)$

Have a look what the booklet for
Yxy(17.4861, 0.2180, 0.1364)
contains.

Yxy(17.4159, 0.2177, 0.1360)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(17.4159, 0.2177, 0.1360)

Conversions

Conversions Part 1

Format	Color
Hex	8255EE
RGB	130, 85, 238
RGB Percent	51%, 33%, 93%
CMY	0.4904, 0.6665, 0.0668
CMYK	0.45, 0.64, 0.00, 0.07
HSL	258°, 82%, 63%
HSV	258°, 64%, 93%
XYZ	27.8782, 17.4159, 82.7639
YIQ	115.8970, -22.2930, 57.1230

Conversions

Conversions Part 2

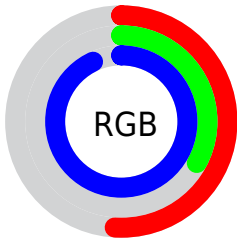
Format	Color
R _Y B	130, 85, 238
Decimal	8541678
CIE Lab	48.78, 52.99, -70.84
CIE LCh	49, 88.461, 306.797
Yxy	17.4159, 0.2177, 0.1360
Android (android.graphics.Color)	4286731758 (0xFF8255EE)
YUV	115.8970, 60.1968, 12.3683
Hunter-Lab	41.7324, 46.2108, -88.3717

Details

The Yxy color **17.4159, 0.2177, 0.1360** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **73.1387, 0.3683, 0.4968**, and the grayscale version is **17.2509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9301, 0.2623, 0.1964**, and **5.7672, 0.1847, 0.0940** is the 20% darker color. If you saturate the color by 10%, you get **13.0549, 0.2010, 0.1096**, and if you desaturate by 10%, it is **23.2546, 0.2352, 0.1664**.

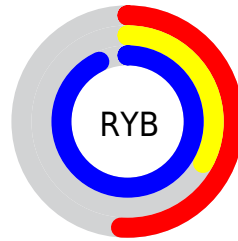
Distribution



Red (51%)

Green (33%)

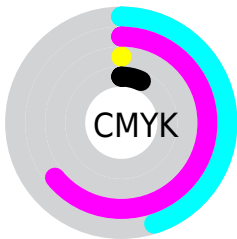
Blue (93%)



Red (51%)

Yellow (33%)

Blue (93%)

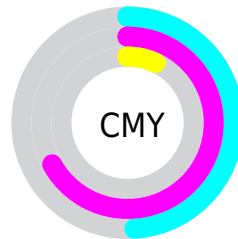


Cyan (45%)

Magenta (64%)

Yellow (0%)

Black (7%)



Cyan (49%)


Magenta (67%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4159, 0.2177, 0.1360 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 17.4159, 0.2177, 0.1360 by changing the saturation by 10% instead.


 17.4159, 0.2177,
0.1360

 17.4159, 0.2177,
0.1360


237.5578, 0.2716,
0.2272


 10.5315, 0.2033,
0.1165


 39.0395, 0.2382,
0.1670


 5.7527, 0.1849,
0.0939


 54.5474, 0.2457,
0.1793


 2.6953, 0.1608,
0.0682


 73.6986, 0.2519,
0.1900

 0.9748, 0.1292,
0.0406

 96.8775, 0.2571,
0.1994

 0.0000, 0.0904,
0.0000

 124.4685, 0.2615,
0.2076

 0.0000, 0.0165,
0.0000

156.8559, 0.2654,

 0.0000, 0.0000,

0.2149

0.0000

194.4243, 0.2687,
0.2214

■ 17.4159, 0.2177,
0.1360

■ 17.4159, 0.2177,
0.1360

■ 13.0549, 0.2010,
0.1096

■ 23.2546, 0.2352,
0.1664

■ 10.0274, 0.1860,
0.0890

■ 30.6930, 0.2525,
0.1988

■ 8.1611, 0.1738,
0.0752

■ 39.8420, 0.2688,
0.2313

■ 7.4696, 0.1681,
0.0700

■ 50.8019, 0.2836,
0.2626

■ 63.6653, 0.2968,
0.2918

■ 78.5180, 0.3083,
0.3185

■ 95.4410, 0.3182,
0.3424

■ 98.9518, 0.3226,
0.3454

Harmonies

Analogous

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



17.4159, 0.1284, 0.1209



17.4159, 0.2177, 0.1360



17.4159, 0.3716, 0.1816

Triad

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



17.4159, 0.2177, 0.1360



17.4159, 0.5722, 0.4230



17.4159, 0.1121, 0.3662

Complementary

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



17.4159, 0.2177, 0.1360



73.1387, 0.3683, 0.4968

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.



17.4159, 0.1999, 0.5907



17.4159, 0.2177, 0.1360



17.4159, 0.4587, 0.5413

Square

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



17.4159, 0.2177, 0.1360



17.4159, 0.6179, 0.3299



17.4159, 0.3243, 0.6415



17.4159, 0.0809, 0.2047

Rectangle

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



17.4159, 0.2177, 0.1360



17.4159, 0.4918, 0.2269



17.4159, 0.3243, 0.6415



17.4159, 0.1347, 0.4436

Sweetspot

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



17.4164, 0.2177, 0.1360



66.9653, 0.2907, 0.2781



46.9759, 0.2226, 0.2708



13.4261, 0.2869, 0.2696



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.



17.4164, 0.2177, 0.1360



14.0465, 0.1962, 0.1027



25.6310, 0.2864, 0.1676



15.4536, 0.3025, 0.3049



4.2259, 0.1694, 0.0707



0.4009, 0.1832, 0.0783

Inverse Universe

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



28.5292, 0.3699, 0.2192



28.3988, 0.3861, 0.2073



65.6565, 0.3188, 0.5272



15.9477, 0.3183, 0.3125



11.7442, 0.4122, 0.2044



0.9943, 0.3973, 0.1962

Previews

White Background



This preview shows how the Yxy color 17.4159, 0.2177, 0.1360 looks on a white background.

Color Contrast Check

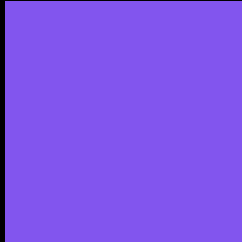
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.4159, 0.2177, 0.1360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

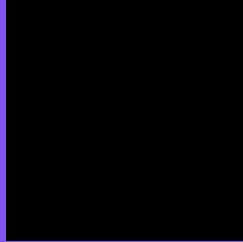
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.4159, 0.2177, 0.1360

Background



This preview shows how black text looks on a background with the Yxy color 17.4159, 0.2177, 0.1360.



This preview shows how white text looks on a background with the Yxy color 17.4159, 0.2177, 0.1360.

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

17.4159, 0.2177, 0.1360

Protanopia

17.4250, 0.1737, 0.1454

Deuteranopia

17.3646, 0.1841, 0.1827



Tritanopia

17.3402, 0.2825, 0.3089

Trichromacy



Original Color

17.4159, 0.2177, 0.1360



Protanomaly

16.2215, 0.1774, 0.1357



Deuteranomaly

15.9222, 0.1839, 0.1553



Tritanomaly

16.5800, 0.2530, 0.2219

Monochromacy



Original Color

17.4159, 0.2177, 0.1360



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

16.7062, 0.2699, 0.2338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4159, 0.2177, 0.1360 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(130, 85, 238)` looks like.

```
.text, #text, p{  
  color:rgb(130, 85, 238)  
}
```

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(130, 85, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 85, 238) }
```

Border

The CSS property to change the border of an element to Yxy 17.4159, 0.2177, 0.1360 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(130, 85, 238) }
```

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

```
.border{ border-color:rgb(130, 85, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 85, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 85, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 85, 238);  
box-shadow:4px 4px 4px 4px rgb(130, 85,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4159, 0.2177, 0.1360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 85, 238) }
```

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

```
.background{ background-color: rgb(130, 85,  
238) }
```

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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