

Converting Colors

$Y_{xy}(18.0395, 0.2184, 0.1259)$

Have a look what the booklet for
Yxy(18.0395, 0.2184, 0.1259)
contains.

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Color

Yxy(17.9987, 0.2180, 0.1257)

Conversions

Conversions Part 1

Format	Color
Hex	8D4DFC
RGB	141, 77, 252
RGB Percent	55%, 30%, 99%
CMY	0.4471, 0.6981, 0.0115
CMYK	0.44, 0.69, 0.00, 0.01
HSL	262°, 97%, 65%
HSV	262°, 69%, 99%
XYZ	31.2149, 17.9987, 93.9741
YIQ	116.0860, -18.0310, 67.9930

Conversions

Conversions Part 2

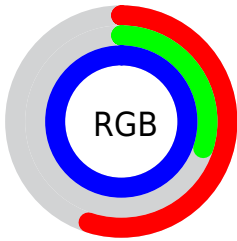
Format	Color
RYB	141, 77, 252
Decimal	9260540
CIELab	49.49, 62.66, -77.50
CIELCh	49, 99.663, 308.958
Yxy	17.9987, 0.2180, 0.1257
Android (android.graphics.Color)	4287450620 (0xFF8D4DFC)
YUV	116.0860, 67.0056, 21.8496
Hunter-Lab	42.4249, 57.0913, -101.6342

Details

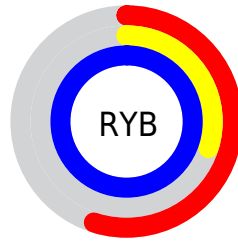
The Yxy color **17.9987, 0.2180, 0.1257** is a light color, and the websafe version is hex **9966FF**. The color can be described as light washed purple. A complement of this color would be **80.8921, 0.3615, 0.5138**, and the grayscale version is **17.2858, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7418, 0.2724, 0.1932**, and **6.0151, 0.1858, 0.0851** is the 20% darker color. If you saturate the color by 10%, you get **13.8281, 0.2027, 0.1028**, and if you desaturate by 10%, it is **23.7380, 0.2342, 0.1533**.

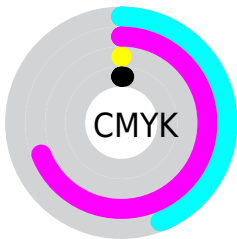
Distribution



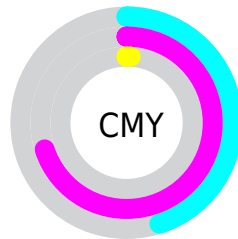
- Red (55%)
- Green (30%)
- Blue (99%)



- Red (55%)
- Yellow (30%)
- Blue (99%)



- Cyan (44%)
- Magenta (69%)
- Yellow (0%)
- Black (1%)




- Cyan (45%)
- Magenta (70%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9987, 0.2180, 0.1257 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 17.9987, 0.2180, 0.1257 by changing the saturation by 10% instead.


 17.9987, 0.2180,
0.1257


 17.9987, 0.2180,
0.1257


240.8637, 0.2716,
0.2186


 10.9491, 0.2039,
0.1068


 40.0351, 0.2383,
0.1565


 6.0326, 0.1860,
0.0852


 55.7907, 0.2457,
0.1690

 2.8649, 0.1629,
0.0612


 75.2170, 0.2519,
0.1799

 1.0616, 0.1331,
0.0362

 98.6984, 0.2571,
0.1896

 0.0000, 0.0967,
0.0000

 126.6195, 0.2616,
0.1981

 0.0000, 0.0452,
0.0000

159.3644, 0.2654,

 0.0000, 0.0000,

0.2057

0.0000

197.3177, 0.2687,
0.2125

■ 17.9987, 0.2180,
0.1257

■ 17.9987, 0.2180,
0.1257

■ 13.8281, 0.2027,
0.1028

■ 23.7380, 0.2342,
0.1533

■ 11.0482, 0.1891,
0.0861

■ 31.1938, 0.2503,
0.1840


■ 9.3899, 0.1779,
0.0755

■ 40.4978, 0.2657,
0.2157


■ 9.3154, 0.1773,
0.0751

■ 51.7682, 0.2799,
0.2472

■ 65.1129, 0.2926,
0.2771

 80.6321, 0.3037,
0.3050

 98.4192, 0.3132,
0.3303

 99.8121, 0.3144,
0.3318

Harmonies

Analogous

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



17.9987, 0.1206, 0.1080



17.9987, 0.2180, 0.1257



17.9987, 0.3905, 0.1748

Triad

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



17.9987, 0.2180, 0.1257



17.9987, 0.5762, 0.4238



17.9987, 0.0916, 0.3491

Complementary

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



17.9987, 0.2180, 0.1257



80.8921, 0.3615, 0.5138

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.



17.9987, 0.1754, 0.6121



17.9987, 0.2180, 0.1257



17.9987, 0.4451, 0.5549

Square

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



17.9987, 0.2180, 0.1257



17.9987, 0.6423, 0.3264



17.9987, 0.3029, 0.6766



17.9987, 0.0665, 0.1833

Rectangle

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



17.9987, 0.2180, 0.1257



17.9987, 0.5236, 0.2224



17.9987, 0.3029, 0.6766



17.9987, 0.1122, 0.4358

Sweetspot

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



17.9992, 0.2180, 0.1257



64.5800, 0.2907, 0.2726



45.7760, 0.2133, 0.2489



12.9860, 0.2873, 0.2644



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.



17.9992, 0.2180, 0.1257



13.0188, 0.1976, 0.0961



28.4735, 0.2946, 0.1628



16.9519, 0.3036, 0.3049



4.9259, 0.1790, 0.0760



0.5139, 0.1920, 0.0832

Inverse Universe

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



29.6449, 0.3928, 0.2243



26.2124, 0.4153, 0.2172



73.0923, 0.3123, 0.5463



17.4106, 0.3194, 0.3141



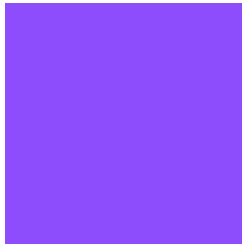
12.1295, 0.4403, 0.2199



1.1438, 0.4222, 0.2100

Previews

White Background



This preview shows how the Yxy color 17.9987, 0.2180, 0.1257 looks on a white background.

Color Contrast Check

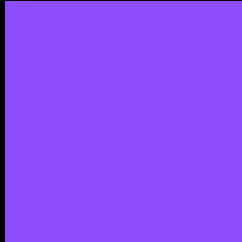
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.9987, 0.2180, 0.1257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

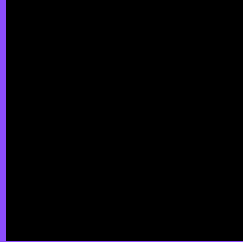
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9987, 0.2180, 0.1257

Background



This preview shows how black text looks on a background with the Yxy color 17.9987, 0.2180, 0.1257.



This preview shows how white text looks on a background with the Yxy color 17.9987, 0.2180, 0.1257.

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

17.9987, 0.2180, 0.1257

Protanopia

18.0422, 0.1739, 0.1460

Deuteranopia

17.9379, 0.1845, 0.1840



Tritanopia

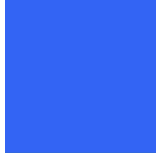
17.8042, 0.2928, 0.3114

Trichromacy



Original Color

17.9987, 0.2180, 0.1257



Protanomaly

16.3498, 0.1764, 0.1296



Deuteranomaly

15.9321, 0.1828, 0.1483



Tritanomaly

16.7440, 0.2583, 0.2143

Monochromacy



Original Color

17.9987, 0.2180, 0.1257



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

16.5793, 0.2691, 0.2231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9987, 0.2180, 0.1257 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, 77, 252)` looks like.

```
.text, #text, p{  
    color:rgb(141, 77, 252)  
}
```

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, 77, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 77, 252) }
```

Border

The CSS property to change the border of an element to Yxy 17.9987, 0.2180, 0.1257 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, 77, 252) }
```

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

```
.border{ border-color:rgb(141, 77, 252) }
```

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

Here you see how a box with a 4 pixel rgb(141, 77, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 77, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 77, 252);  
box-shadow:4px 4px 4px 4px rgb(141, 77,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9987, 0.2180, 0.1257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 77, 252) }
```

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

```
.background{ background-color: rgb(141, 77,  
252) }
```

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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