

Converting Colors

$Y_{xy}(17.7353, 0.2283, 0.1201)$

Have a look what the booklet for
Yxy(17.7353, 0.2283, 0.1201)
contains.

Yxy(17.8266, 0.2286, 0.1205)	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>	29

Color

Yxy(17.8266, 0.2286, 0.1205)

Conversions

Conversions Part 1

Format	Color
Hex	9E3DFF
RGB	158, 61, 255
RGB Percent	62%, 24%, 100%
CMY	0.3805, 0.7607, 0.0000
CMYK	0.38, 0.76, 0.00, 0.00
HSL	270°, 100%, 62%
HSV	270°, 76%, 100%
XYZ	33.8188, 17.8266, 96.2932
YIQ	112.1190, -4.4620, 80.8980

Conversions

Conversions Part 2

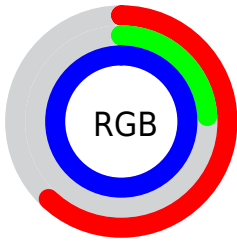
Format	Color
R _Y B	158, 61, 255
Decimal	10370559
CIE Lab	49.29, 72.90, -79.41
CIE LCh	49, 107.802, 312.553
Yxy	17.8266, 0.2286, 0.1205
Android (android.graphics.Color)	4288560639 (0xFF9E3DFF)
YUV	112.1190, 70.4403, 40.2376
Hunter-Lab	42.2216, 69.0878, -105.6655

Details

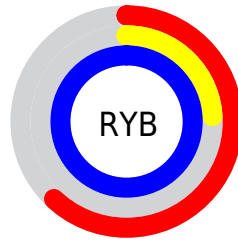
The Yxy color **17.8266, 0.2286, 0.1205** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **79.1302, 0.3453, 0.5388**, and the grayscale version is **16.0303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.2369, 0.2865, 0.1879**, and **6.5726, 0.2004, 0.0878** is the 20% darker color. If you saturate the color by 10%, you get **14.4920, 0.2160, 0.1030**, and if you desaturate by 10%, it is **22.5849, 0.2419, 0.1432**.

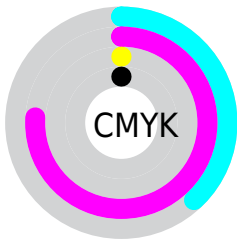
Distribution



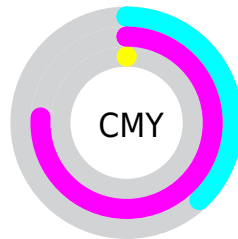
- Red (62%)
- Green (24%)
- Blue (100%)



- Red (62%)
- Yellow (24%)
- Blue (100%)



- Cyan (38%)
- Magenta (76%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (76%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8266, 0.2286, 0.1205 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 17.8266, 0.2286, 0.1205 by changing the saturation by 10% instead.


 17.8266, 0.2286,
0.1205


 17.8266, 0.2286,
0.1205


239.8919, 0.2776,
0.2142


 10.8256, 0.2155,
0.1018


 39.7416, 0.2473,
0.1512


 5.9497, 0.1986,
0.0807


 55.4244, 0.2541,
0.1638


 2.8145, 0.1767,
0.0574


 74.7699, 0.2598,
0.1748

 1.0357, 0.1479,
0.0335

 98.1625, 0.2645,
0.1846

 0.0000, 0.1121,
0.0000

 125.9866, 0.2685,
0.1932

 0.0000, 0.0646,
0.0000

158.6266, 0.2720,

 0.0000, 0.0000,

0.2010

0.0000

196.4669, 0.2750,
0.2079

■ 17.8266, 0.2286,
0.1205

■ 17.8266, 0.2286,
0.1205

■ 14.4920, 0.2160,
0.1030

■ 22.5849, 0.2419,
0.1432

■ 12.3803, 0.2045,
0.0913

■ 28.9374, 0.2553,
0.1699

■ 11.7671, 0.2004,
0.0877

■ 37.0246, 0.2682,
0.1990

■ 46.9725, 0.2801,
0.2291

■ 58.8949, 0.2908,
0.2588

■ 72.8962, 0.3003,
0.2873

■ 89.0735, 0.3084,
0.3139

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



17.8266, 0.1197, 0.0991



17.8266, 0.2286, 0.1205



17.8266, 0.4214, 0.1742

Triad

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



17.8266, 0.2286, 0.1205



17.8266, 0.5684, 0.4316



17.8266, 0.0740, 0.3171

Complementary

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



17.8266, 0.2286, 0.1205



79.1302, 0.3453, 0.5388

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.



17.8266, 0.1483, 0.6108



17.8266, 0.2286, 0.1205



17.8266, 0.4227, 0.5773

Square

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



17.8266, 0.2286, 0.1205



17.8266, 0.6567, 0.3278



17.8266, 0.2745, 0.7100



17.8266, 0.0565, 0.1607

Rectangle

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



17.8266, 0.2286, 0.1205



17.8266, 0.5624, 0.2238



17.8266, 0.2745, 0.7100



17.8266, 0.0910, 0.4069

Sweetspot

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



17.8251, 0.2286, 0.1205



62.9726, 0.2939, 0.2677



33.7859, 0.1974, 0.2036



12.4573, 0.2903, 0.2572



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.



17.8251, 0.2286, 0.1205



13.3142, 0.2102, 0.0965



31.2107, 0.3172, 0.1656



17.8237, 0.3057, 0.3050



6.2373, 0.2021, 0.0887



0.6722, 0.2143, 0.0954

Inverse Universe

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



27.0688, 0.4416, 0.2435



23.7353, 0.4787, 0.2459



72.9553, 0.3023, 0.5693



18.1386, 0.3215, 0.3172



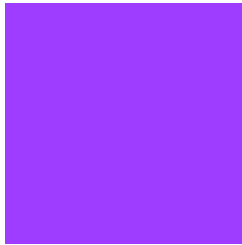
11.9471, 0.4964, 0.2508



1.1853, 0.4709, 0.2368

Previews

White Background



This preview shows how the Yxy color 17.8266, 0.2286, 0.1205 looks on a white background.

Color Contrast Check

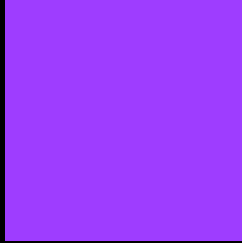
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8266, 0.2286, 0.1205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

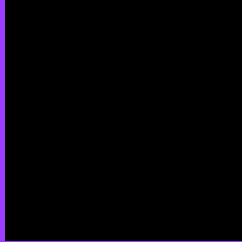
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8266, 0.2286, 0.1205

Background



This preview shows how black text looks on a background with the Yxy color 17.8266, 0.2286, 0.1205.

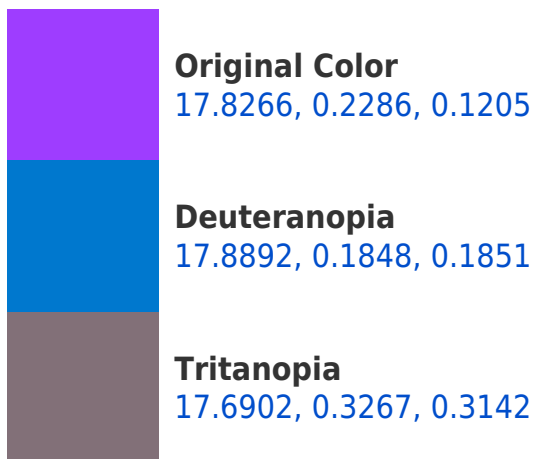


This preview shows how white text looks on a background with the Yxy color 17.8266, 0.2286, 0.1205.

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



Trichromacy



Original Color

17.8266, 0.2286, 0.1205



Deuteranomaly

15.1754, 0.1829, 0.1416



Tritanomaly

16.2687, 0.2818, 0.2094

Monochromacy



Original Color

17.8266, 0.2286, 0.1205



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

15.1762, 0.2737, 0.2112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8266, 0.2286, 0.1205 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(158, 61, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 61, 255)  
}
```

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(158, 61, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 61, 255) }
```

Border

The CSS property to change the border of an element to Yxy 17.8266, 0.2286, 0.1205 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(158, 61, 255) }
```

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

```
.border{ border-color:rgb(158, 61, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 61, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 61, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 61, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 61,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 17.8266, 0.2286, 0.1205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 61, 255) }
```

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

```
.background{ background-color: rgb(158, 61,  
255) }
```

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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