

Converting Colors

$Y_{xy}(17.2519, 0.2263, 0.1177)$

Have a look what the booklet for
Yxy(17.2519, 0.2263, 0.1177)
contains.

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Color

Yxy(17.3140, 0.2267, 0.1180)

Conversions

Conversions Part 1

Format	Color
Hex	9C3AFF
RGB	156, 58, 255
RGB Percent	61%, 23%, 100%
CMY	0.3883, 0.7723, 0.0002
CMYK	0.39, 0.77, 0.00, 0.00
HSL	270°, 100%, 61%
HSV	270°, 77%, 100%
XYZ	33.2634, 17.3140, 96.1514
YIQ	109.7600, -4.8290, 82.0430

Conversions

Conversions Part 2

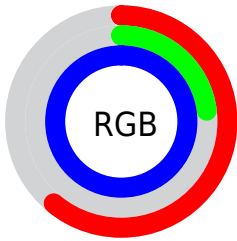
Format	Color
R _Y B	156, 58, 255
Decimal	10238719
CIE Lab	48.65, 73.68, -80.41
CIE LCh	49, 109.058, 312.498
Yxy	17.3140, 0.2267, 0.1180
Android (android.graphics.Color)	4288428799 (0xFF9C3AFF)
YUV	109.7600, 71.6033, 40.5525
Hunter-Lab	41.6101, 69.8766, -107.8785

Details

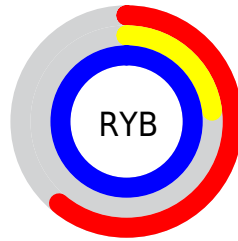
The Yxy color **17.3140, 0.2267, 0.1180** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **78.9623, 0.3454, 0.5409**, and the grayscale version is **15.3200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2332, 0.2847, 0.1846**, and **6.4109, 0.1975, 0.0862** is the 20% darker color. If you saturate the color by 10%, you get **14.1348, 0.2141, 0.1011**, and if you desaturate by 10%, it is **21.9003, 0.2400, 0.1402**.

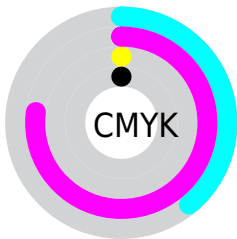
Distribution



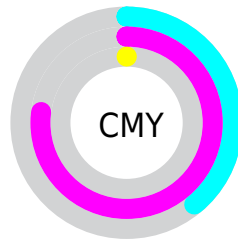
- Red (61%)
- Green (23%)
- Blue (100%)



- Red (61%)
- Yellow (23%)
- Blue (100%)



- Cyan (39%)
- Magenta (77%)
- Yellow (0%)
- Black (0%)





- Cyan (39%)
- Magenta (77%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.3140, 0.2267, 0.1180 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 17.3140, 0.2267, 0.1180 by changing the saturation by 10% instead.


 17.3140, 0.2267,
0.1180


 17.3140, 0.2267,
0.1180


236.9754, 0.2768,
0.2127


 10.4586, 0.2133,
0.0992


 38.8649, 0.2459,
0.1490


 5.7041, 0.1961,
0.0780


 54.3291, 0.2528,
0.1617


 2.6660, 0.1737,
0.0549


 73.4318, 0.2586,
0.1728

 0.9600, 0.1445,
0.0313

 96.5573, 0.2635,
0.1827

 0.0000, 0.1082,
0.0000

 124.0901, 0.2676,
0.1915

 0.0000, 0.0604,
0.0000

156.4144, 0.2711,

 0.0000, 0.0000,

0.1993

0.0000

193.9147, 0.2742,
0.2063

■ 17.3140, 0.2267,
0.1180

■ 17.3140, 0.2267,
0.1180

■ 14.1348, 0.2141,
0.1011

■ 21.9003, 0.2400,
0.1402

■ 12.1439, 0.2028,
0.0900

■ 28.0613, 0.2535,
0.1665

■ 11.7135, 0.1999,
0.0875

■ 35.9422, 0.2665,
0.1955

■ 45.6702, 0.2786,
0.2255

■ 57.3605, 0.2896,
0.2554

71.1186, 0.2992,
0.2841

87.0422, 0.3075,
0.3109

99.9966, 0.3127,
0.3291

Harmonies

Analogous

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



17.3140, 0.1172, 0.0966



17.3140, 0.2267, 0.1180



17.3140, 0.4228, 0.1718

Triad

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



17.3140, 0.2267, 0.1180



17.3140, 0.5703, 0.4297



17.3140, 0.0709, 0.3163

Complementary

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



17.3140, 0.2267, 0.1180



78.9623, 0.3454, 0.5409

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.



17.3140, 0.1447, 0.6185



17.3140, 0.2267, 0.1180



17.3140, 0.4216, 0.5784

Square

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



17.3140, 0.2267, 0.1180



17.3140, 0.6614, 0.3252



17.3140, 0.2717, 0.7182



17.3140, 0.0541, 0.1579

Rectangle

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



17.3140, 0.2267, 0.1180



17.3140, 0.5668, 0.2216



17.3140, 0.2717, 0.7182



17.3140, 0.0877, 0.4084

Sweetspot

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



17.3145, 0.2267, 0.1180



62.9493, 0.2938, 0.2677



33.1841, 0.1962, 0.2014



12.4517, 0.2902, 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.



17.3145, 0.2267, 0.1180



12.8654, 0.2074, 0.0940



30.8813, 0.3172, 0.1644



17.8215, 0.3057, 0.3050



6.2120, 0.2016, 0.0884



0.6697, 0.2138, 0.0952

Inverse Universe

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



26.7166, 0.4437, 0.2428



23.4953, 0.4826, 0.2466



72.7951, 0.3021, 0.5719



18.1394, 0.3215, 0.3171



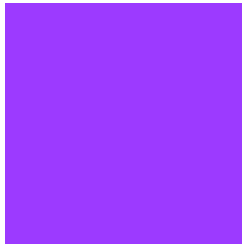
11.9557, 0.4953, 0.2502



1.1861, 0.4700, 0.2363

Previews

White Background



This preview shows how the Yxy color 17.3140, 0.2267, 0.1180 looks on a white background.

Color Contrast Check

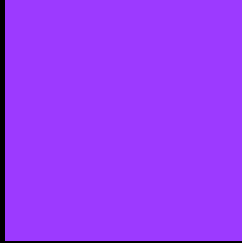
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.3140, 0.2267, 0.1180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

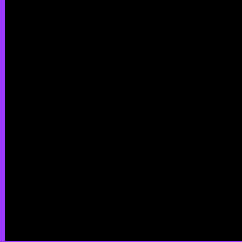
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.3140, 0.2267, 0.1180

Background



This preview shows how black text looks on a background with the Yxy color 17.3140, 0.2267, 0.1180.



This preview shows how white text looks on a background with the Yxy color 17.3140, 0.2267, 0.1180.

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

17.3140, 0.2267, 0.1180

Protanopia

17.3670, 0.1739, 0.1461

Deuteranopia

17.2687, 0.1847, 0.1848



Tritanopia

16.9958, 0.3243, 0.3121

Trichromacy



Original Color

17.3140, 0.2267, 0.1180



Protanomaly

14.9350, 0.1762, 0.1222



Deuteranomaly

14.5095, 0.1824, 0.1389



Tritanomaly

15.7126, 0.2803, 0.2069

Monochromacy



Original Color

17.3140, 0.2267, 0.1180



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

14.6385, 0.2721, 0.2085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3140, 0.2267, 0.1180 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(156, 58, 255)` looks like.

```
.text, #text, p{  
  color:rgb(156, 58, 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(156, 58, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 58, 255) }
```

Border

The CSS property to change the border of an element to Yxy 17.3140, 0.2267, 0.1180 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(156, 58, 255) }
```

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

```
.border{ border-color:rgb(156, 58, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 58, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 58, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 58, 255); box-shadow:4px 4px 4px 4px rgb(156, 58, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 17.3140, 0.2267, 0.1180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 58, 255) }
```

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

```
.background{ background-color: rgb(156, 58,  
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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