

Converting Colors

$Y_{xy}(16.9411, 0.2286, 0.1156)$

Have a look what the booklet for
Yxy(16.9411, 0.2286, 0.1156)
contains.

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Color

Yxy(16.9586, 0.2287, 0.1157)

Conversions

Conversions Part 1

Format	Color
Hex	9F33FF
RGB	159, 51, 255
RGB Percent	62%, 20%, 100%
CMY	0.3766, 0.7997, 0.0001
CMYK	0.38, 0.80, 0.00, 0.00
HSL	272°, 100%, 60%
HSV	272°, 80%, 100%
XYZ	33.5215, 16.9586, 96.0938
YIQ	106.5480, -1.1160, 86.3400

Conversions

Conversions Part 2

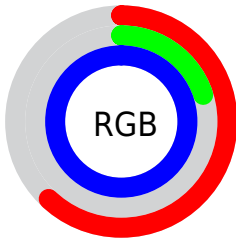
Format	Color
R_{YB}	159, 51, 255
Decimal	10433535
CIE _{Lab}	48.21, 76.51, -81.14
CIE _{LCh}	48, 111.519, 313.317
Yxy	16.9586, 0.2287, 0.1157
Android (android.graphics.Color)	4288623615 (0xFF9F33FF)
YUV	106.5480, 73.1868, 46.0004
Hunter-Lab	41.1808, 73.2337, -109.5243

Details

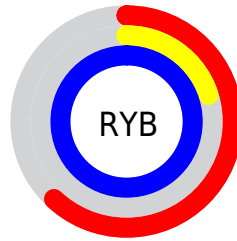
The Yxy color **16.9586, 0.2287, 0.1157** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **77.9567, 0.3409, 0.5490**, and the grayscale version is **14.3752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.8045, 0.2872, 0.1824**, and **6.5726, 0.2004, 0.0878** is the 20% darker color. If you saturate the color by 10%, you get **14.1369, 0.2169, 0.1008**, and if you desaturate by 10%, it is **21.1205, 0.2412, 0.1360**.

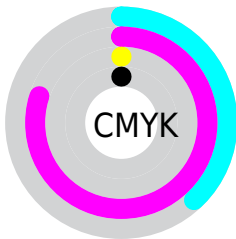
Distribution



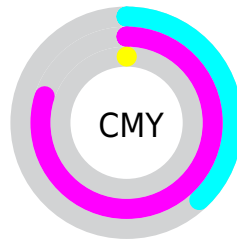
- Red (62%)
- Green (20%)
- Blue (100%)



- Red (62%)
- Yellow (20%)
- Blue (100%)



- Cyan (38%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)




- Cyan (38%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9586, 0.2287, 0.1157 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 16.9586, 0.2287, 0.1157 by changing the saturation by 10% instead.


 16.9586, 0.2287,
0.1157


 16.9586, 0.2287,
0.1157


234.9337, 0.2781,
0.2110


 10.2050, 0.2154,
0.0969


 38.2546, 0.2477,
0.1468


 5.5351, 0.1983,
0.0758


 53.5657, 0.2546,
0.1596


 2.5645, 0.1759,
0.0528


 72.4982, 0.2603,
0.1708

 0.9089, 0.1467,
0.0296

 95.4363, 0.2650,
0.1808

 0.0000, 0.1102,
0.0000

 122.7645, 0.2691,
0.1896

 0.0000, 0.0625,
0.0000

154.8673, 0.2725,

 0.0000, 0.0000,

0.1975

0.0000

192.1288, 0.2755,
0.2046

■ 16.9586, 0.2287,
0.1157

■ 16.9586, 0.2287,
0.1157

■ 14.1369, 0.2169,
0.1008

■ 21.1205, 0.2412,
0.1360

■ 12.3661, 0.2063,
0.0910

■ 26.7990, 0.2540,
0.1608

■ 12.3611, 0.2062,
0.0910

■ 34.1439, 0.2664,
0.1887

■ 43.2862, 0.2780,
0.2181

■ 54.3435, 0.2885,
0.2477

■ 67.4229, 0.2978,
0.2765

■ 82.6237, 0.3059,
0.3038

■ 99.9985, 0.3127,
0.3290

Harmonies

Analogous

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



16.9586, 0.1160, 0.0935



16.9586, 0.2287, 0.1157



16.9586, 0.4316, 0.1705

Triad

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



16.9586, 0.2287, 0.1157



16.9586, 0.5690, 0.4310



16.9586, 0.0657, 0.3077

Complementary

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



16.9586, 0.2287, 0.1157



77.9567, 0.3409, 0.5490

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.



16.9586, 0.1366, 0.6207



16.9586, 0.2287, 0.1157



16.9586, 0.4151, 0.5849

Square

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



16.9586, 0.2287, 0.1157



16.9586, 0.6668, 0.3244



16.9586, 0.2632, 0.7309



16.9586, 0.0508, 0.1515

Rectangle

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



16.9586, 0.2287, 0.1157



16.9586, 0.5785, 0.2207



16.9586, 0.2632, 0.7309



16.9586, 0.0814, 0.4010

Sweetspot

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



16.9591, 0.2287, 0.1157



61.9123, 0.2942, 0.2651



29.6185, 0.1908, 0.1868



12.2672, 0.2909, 0.2548



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.



16.9591, 0.2287, 0.1157



12.9923, 0.2104, 0.0945



30.6314, 0.3238, 0.1655



17.8508, 0.3062, 0.3050



6.5500, 0.2079, 0.0919



0.7028, 0.2198, 0.0985

Inverse Universe

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



25.7396, 0.4607, 0.2486



22.9745, 0.5027, 0.2562



72.4815, 0.3004, 0.5760



18.1295, 0.3220, 0.3179



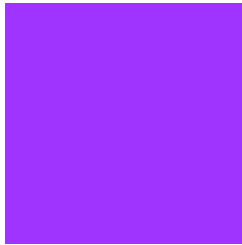
11.8481, 0.5088, 0.2576



1.1755, 0.4818, 0.2428

Previews

White Background



This preview shows how the Yxy color 16.9586, 0.2287, 0.1157 looks on a white background.

Color Contrast Check

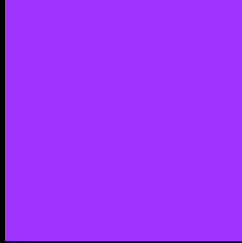
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9586, 0.2287, 0.1157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

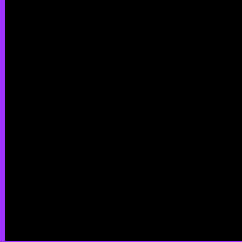
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9586, 0.2287, 0.1157

Background



This preview shows how black text looks on a background with the Yxy color 16.9586, 0.2287, 0.1157.



This preview shows how white text looks on a background with the Yxy color 16.9586, 0.2287, 0.1157.

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

16.9586, 0.2287, 0.1157

Deuteranopia

16.9396, 0.1848, 0.1852

Tritanopia

16.8114, 0.3340, 0.3142

Trichromacy



Original Color

16.9586, 0.2287, 0.1157



Deuteranomaly

13.9487, 0.1821, 0.1357



Tritanomaly

15.2691, 0.2848, 0.2035

Monochromacy



Original Color

16.9586, 0.2287, 0.1157



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

13.8252, 0.2725, 0.2043

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9586, 0.2287, 0.1157 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(159, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(159, 51, 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(159, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 51, 255) }
```

Border

The CSS property to change the border of an element to Yxy 16.9586, 0.2287, 0.1157 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(159, 51, 255) }
```

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

```
.border{ border-color:rgb(159, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(159, 51,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 16.9586, 0.2287, 0.1157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 51, 255) }
```

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

```
.background{ background-color: rgb(159, 51,  
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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