

Converting Colors

$Y_{xy}(16.8980, 0.2293, 0.1152)$

Have a look what the booklet for
Yxy(16.8980, 0.2293, 0.1152)
contains.

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Color

Yxy(16.8902, 0.2295, 0.1152)

Conversions

Conversions Part 1

Format	Color
Hex	A031FF
RGB	160, 49, 255
RGB Percent	63%, 19%, 100%
CMY	0.3724, 0.8080, 0.0001
CMYK	0.37, 0.81, 0.00, 0.00
HSL	272°, 100%, 60%
HSV	272°, 81%, 100%
XYZ	33.6484, 16.8902, 96.0777
YIQ	105.6730, 0.0300, 87.5980

Conversions

Conversions Part 2

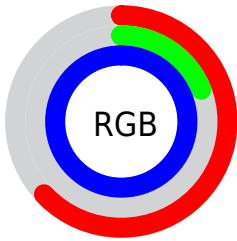
Format	Color
R _Y B	160, 49, 255
Decimal	10498559
CIE Lab	48.12, 77.32, -81.28
CIE LCh	48, 112.182, 313.572
Yxy	16.8902, 0.2295, 0.1152
Android (android.graphics.Color)	4288688639 (0xFFA031FF)
YUV	105.6730, 73.6182, 47.6448
Hunter-Lab	41.0977, 74.2247, -109.8391

Details

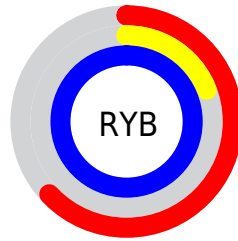
The Yxy color **16.8902, 0.2295, 0.1152** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **77.6503, 0.3394, 0.5514**, and the grayscale version is **14.1129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.5294, 0.2881, 0.1811**, and **6.6279, 0.2014, 0.0883** is the 20% darker color. If you saturate the color by 10%, you get **14.1735, 0.2180, 0.1009**, and if you desaturate by 10%, it is **20.9262, 0.2418, 0.1349**.

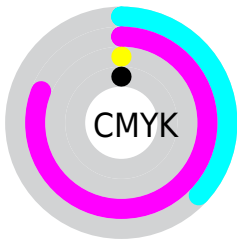
Distribution



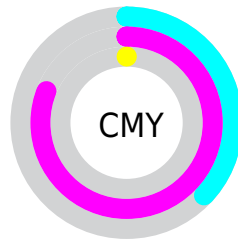
- Red (63%)
- Green (19%)
- Blue (100%)



- Red (63%)
- Yellow (19%)
- Blue (100%)



- Cyan (37%)
- Magenta (81%)
- Yellow (0%)
- Black (0%)




- Cyan (37%)
- Magenta (81%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8902, 0.2295, 0.1152 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 16.8902, 0.2295, 0.1152 by changing the saturation by 10% instead.


 16.8902, 0.2295,
0.1152


 16.8902, 0.2295,
0.1152


234.5388, 0.2786,
0.2107


 10.1562, 0.2162,
0.0964


 38.1369, 0.2484,
0.1463


 5.5027, 0.1992,
0.0753


 53.4184, 0.2552,
0.1591

 2.5451, 0.1769,
0.0524


 72.3179, 0.2609,
0.1704

 0.8992, 0.1477,
0.0293

 95.2198, 0.2656,
0.1803

 0.0000, 0.1112,
0.0000

 122.5084, 0.2696,
0.1892

 0.0000, 0.0636,
0.0000

154.5682, 0.2730,

 0.0000, 0.0000,

0.1971

0.0000

191.7835, 0.2760,
0.2042

■ 16.8902, 0.2295,
0.1152

■ 16.8902, 0.2295,
0.1152

■ 14.1735, 0.2180,
0.1009

■ 20.9262, 0.2418,
0.1349

■ 12.5772, 0.2083,
0.0921

■ 26.4606, 0.2543,
0.1592

■ 33.6451, 0.2665,
0.1867

■ 42.6117, 0.2779,
0.2159

■ 53.4787, 0.2883,
0.2454

66.3539, 0.2975,
0.2743

81.3369, 0.3054,
0.3016

98.5205, 0.3122,
0.3271

99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



16.8902, 0.1158, 0.0927



16.8902, 0.2295, 0.1152



16.8902, 0.4342, 0.1704

Triad

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



16.8902, 0.2295, 0.1152



16.8902, 0.5684, 0.4316



16.8902, 0.0644, 0.3051

Complementary

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



16.8902, 0.2295, 0.1152



77.6503, 0.3394, 0.5514

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.



16.8902, 0.1344, 0.6207



16.8902, 0.2295, 0.1152



16.8902, 0.4131, 0.5869

Square

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



16.8902, 0.2295, 0.1152



16.8902, 0.6681, 0.3243



16.8902, 0.2607, 0.7342



16.8902, 0.0501, 0.1497

Rectangle

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



16.8902, 0.2295, 0.1152



16.8902, 0.5818, 0.2207



16.8902, 0.2607, 0.7342



16.8902, 0.0798, 0.3986

Sweetspot

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



16.8907, 0.2295, 0.1152



62.0124, 0.2947, 0.2652



28.1550, 0.1887, 0.1804



12.2912, 0.2914, 0.2549



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.



16.8907, 0.2295, 0.1152



13.0496, 0.2114, 0.0947



30.2348, 0.3273, 0.1669



17.8601, 0.3064, 0.3050



6.6628, 0.2099, 0.0930



0.7137, 0.2218, 0.0995

Inverse Universe

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



25.4613, 0.4662, 0.2506



22.8223, 0.5094, 0.2594



72.4438, 0.2997, 0.5755



18.1264, 0.3222, 0.3181



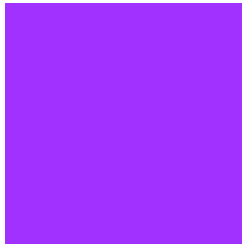
11.8157, 0.5131, 0.2600



1.1722, 0.4855, 0.2448

Previews

White Background



This preview shows how the Yxy color 16.8902, 0.2295, 0.1152 looks on a white background.

Color Contrast Check

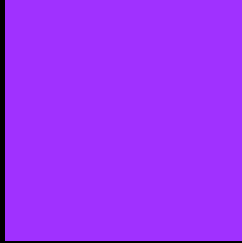
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8902, 0.2295, 0.1152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

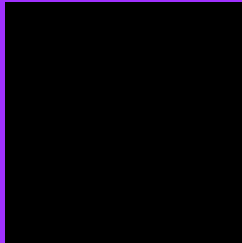
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.8902, 0.2295, 0.1152

Background



This preview shows how black text looks on a background with the Yxy color 16.8902, 0.2295, 0.1152.



This preview shows how white text looks on a background with the Yxy color 16.8902, 0.2295, 0.1152.

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

16.8902, 0.2295, 0.1152

Protanopia

16.9781, 0.1741, 0.1468

Deuteranopia

16.9396, 0.1848, 0.1852



Tritanopia

16.6819, 0.3357, 0.3124

Trichromacy



Original Color

16.8902, 0.2295, 0.1152



Protanomaly

14.1703, 0.1759, 0.1189



Deuteranomaly

13.7743, 0.1817, 0.1344



Tritanomaly

15.1964, 0.2860, 0.2026

Monochromacy



Original Color

16.8902, 0.2295, 0.1152



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

13.4707, 0.2734, 0.2024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8902, 0.2295, 0.1152 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(160, 49, 255)` looks like.

```
.text, #text, p{  
    color:rgb(160, 49, 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(160, 49, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 49, 255) }
```

Border

The CSS property to change the border of an element to Yxy 16.8902, 0.2295, 0.1152 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(160, 49, 255) }
```

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

```
.border{ border-color:rgb(160, 49, 255) }
```

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

Here you see how a box with a 4 pixel rgb(160, 49, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 49, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 49, 255);  
box-shadow:4px 4px 4px 4px rgb(160, 49,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8902, 0.2295, 0.1152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 49, 255) }
```

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

```
.background{ background-color: rgb(160, 49,  
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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