

Converting Colors

$Y_{xy}(18.9630, 0.2006, 0.1310)$

Have a look what the booklet for
Yxy(18.9630, 0.2006, 0.1310)
contains.

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Color

Yxy(18.9818, 0.2008, 0.1311)

Conversions

Conversions Part 1

Format	Color
Hex	725FFF
RGB	114, 95, 255
RGB Percent	45%, 37%, 100%
CMY	0.5532, 0.6273, 0.0000
CMYK	0.55, 0.63, 0.00, 0.00
HSL	247°, 100%, 69%
HSV	247°, 63%, 100%
XYZ	29.0736, 18.9818, 96.7333
YIQ	118.9210, -40.0360, 53.7880

Conversions

Conversions Part 2

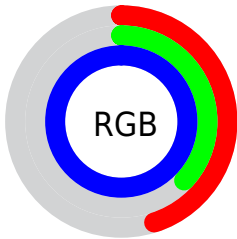
Format	Color
R _Y B	114, 95, 255
Decimal	7495679
CIE Lab	50.67, 49.54, -77.32
CIE LCh	51, 91.832, 302.646
Yxy	18.9818, 0.2008, 0.1311
Android (android.graphics.Color)	4285685759 (0xFF725FFF)
YUV	118.9210, 67.0869, -4.3157
Hunter-Lab	43.5681, 42.8712, -101.1426

Details

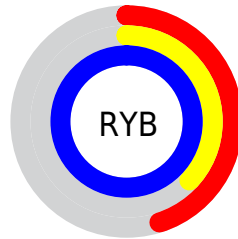
The Yxy color **18.9818, 0.2008, 0.1311** is a light color, and the websafe version is hex **6666FF**. The color can be described as light muted purple. A complement of this color would be **90.1911, 0.3873, 0.4821**, and the grayscale version is **18.2143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3175, 0.2534, 0.2038**, and **6.5154, 0.1664, 0.0906** is the 20% darker color. If you saturate the color by 10%, you get **13.7883, 0.1829, 0.1026**, and if you desaturate by 10%, it is **26.0496, 0.2206, 0.1640**.

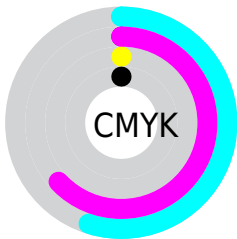
Distribution



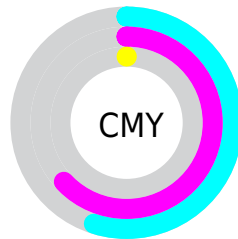
- Red (45%)
- Green (37%)
- Blue (100%)



- Red (45%)
- Yellow (37%)
- Blue (100%)



- Cyan (55%)
- Magenta (63%)
- Yellow (0%)
- Black (0%)





- Cyan (55%)
- Magenta (63%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9818, 0.2008, 0.1311 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 18.9818, 0.2008, 0.1311 by changing the saturation by 10% instead.


 18.9818, 0.2008,
0.1311


 18.9818, 0.2008,
0.1311


246.3483, 0.2616,
0.2226


 11.6571, 0.1856,
0.1122

 41.7033, 0.2232,
0.1617


 6.5107, 0.1665,
0.0905


 57.8690, 0.2316,
0.1740

 3.1580, 0.1425,
0.0661


 77.7505, 0.2387,
0.1848

 1.2148, 0.1124,
0.0403

 101.7321, 0.2447,
0.1942

 0.0737, 0.0769,
0.0042

130.1983, 0.2498,
0.2026

 0.0000, 0.0233,
0.0000

163.5334, 0.2543,

 0.0000, 0.0000,

0.2100

0.0000

202.1220, 0.2582,
0.2166

■ 18.9818, 0.2008,
0.1311

■ 18.9818, 0.2008,
0.1311

■ 13.7883, 0.1829,
0.1026

■ 26.0496, 0.2206,
0.1640

■ 10.2871, 0.1683,
0.0809

■ 35.1474, 0.2409,
0.1987

■ 8.2616, 0.1581,
0.0672

■ 46.4164, 0.2605,
0.2331

■ 7.4976, 0.1534,
0.0619

■ 59.9846, 0.2786,
0.2657

■ 75.9700, 0.2949,
0.2956

94.4826, 0.3092,
0.3223

99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



18.9818, 0.1193, 0.1201



18.9818, 0.2008, 0.1311



18.9818, 0.3472, 0.1726

Triad

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



18.9818, 0.2008, 0.1311



18.9818, 0.5840, 0.4073



18.9818, 0.1193, 0.3978

Complementary

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



18.9818, 0.2008, 0.1311



90.1911, 0.3873, 0.4821

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.



18.9818, 0.2148, 0.6153



18.9818, 0.2008, 0.1311



18.9818, 0.4762, 0.5238

Square

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



18.9818, 0.2008, 0.1311



18.9818, 0.6181, 0.3181



18.9818, 0.3419, 0.6346



18.9818, 0.0814, 0.2192

Rectangle

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



18.9818, 0.2008, 0.1311



18.9818, 0.4690, 0.2160



18.9818, 0.3419, 0.6346



18.9818, 0.1449, 0.4783

Sweetspot

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



18.9823, 0.2008, 0.1311



65.6659, 0.2849, 0.2772



69.8359, 0.2319, 0.3063



13.1173, 0.2801, 0.2684



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.



18.9823, 0.2008, 0.1311



12.8537, 0.1793, 0.0971



26.8357, 0.2628, 0.1592



17.4805, 0.2997, 0.3045



3.9501, 0.1542, 0.0623



0.4159, 0.1615, 0.0664

Inverse Universe

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



35.5100, 0.3377, 0.1983



30.7476, 0.3434, 0.1831



79.4455, 0.3340, 0.5142



18.2612, 0.3156, 0.3083



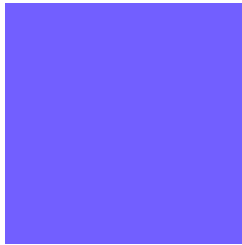
13.9603, 0.3532, 0.1720



1.3693, 0.3490, 0.1696

Previews

White Background



This preview shows how the Yxy color 18.9818, 0.2008, 0.1311 looks on a white background.

Color Contrast Check

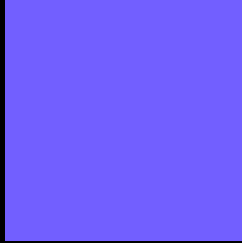
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.9818, 0.2008, 0.1311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

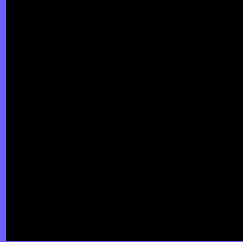
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9818, 0.2008, 0.1311

Background



This preview shows how black text looks on a background with the Yxy color 18.9818, 0.2008, 0.1311.



This preview shows how white text looks on a background with the Yxy color 18.9818, 0.2008, 0.1311.

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

18.9818, 0.2008, 0.1311

Protanopia

19.0834, 0.1739, 0.1460

Deuteranopia

18.9194, 0.1845, 0.1840



Tritanopia

18.9423, 0.2472, 0.3085

Trichromacy



Original Color

18.9818, 0.2008, 0.1311



Protanomaly

18.0361, 0.1754, 0.1353



Deuteranomaly

17.8831, 0.1819, 0.1562



Tritanomaly

18.0850, 0.2246, 0.2180

Monochromacy



Original Color

18.9818, 0.2008, 0.1311



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

17.7609, 0.2589, 0.2302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9818, 0.2008, 0.1311 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(114, 95, 255)` looks like.

```
.text, #text, p{  
    color:rgb(114, 95, 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(114, 95, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 95, 255) }
```

Border

The CSS property to change the border of an element to Yxy 18.9818, 0.2008, 0.1311 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(114, 95, 255) }
```

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

```
.border{ border-color:rgb(114, 95, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 95, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 95, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 95, 255);  
box-shadow:4px 4px 4px 4px rgb(114, 95,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9818, 0.2008, 0.1311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 95, 255) }
```

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

```
.background{ background-color: rgb(114, 95,  
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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