

Converting Colors

$Yxy(11.8078, 0.1974, 0.0883)$

Have a look what the booklet for
Yxy(11.8078, 0.1974, 0.0883)
contains.

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Color

Yxy(11.8015, 0.1975, 0.0883)

Conversions

Conversions Part 1

Format	Color
Hex	7B10FF
RGB	123, 16, 255
RGB Percent	48%, 6%, 100%
CMY	0.5177, 0.9368, 0.0002
CMYK	0.52, 0.94, 0.00, 0.00
HSL	267°, 100%, 53%
HSV	267°, 94%, 100%
XYZ	26.3963, 11.8015, 95.4545
YIQ	75.2390, -12.9470, 97.0130

Conversions

Conversions Part 2

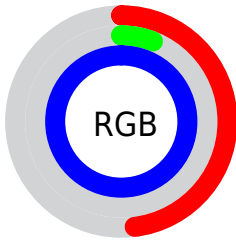
Format	Color
R _Y B	123, 16, 255
Decimal	8065279
CIE Lab	40.90, 80.96, -93.31
CIE LCh	41, 123.540, 310.946
Yxy	11.8015, 0.1975, 0.0883
Android (android.graphics.Color)	4286255359 (0xFF7B10FF)
YUV	75.2390, 88.6222, 41.8864
Hunter-Lab	34.3533, 77.0372, -140.6965

Details

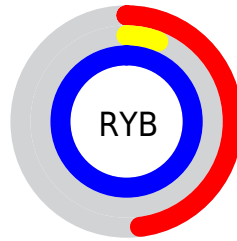
The Yxy color **11.8015, 0.1975, 0.0883** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed purple. A complement of this color would be **77.8312, 0.3461, 0.5604**, and the grayscale version is **6.9331, 0.3127, 0.3290**.

A 20% lighter version of the original color is **24.6012, 0.2563, 0.1503**, and **4.6356, 0.1630, 0.0672** is the 20% darker color. If you saturate the color by 10%, you get **10.8002, 0.1906, 0.0824**, and if you desaturate by 10%, it is **14.1711, 0.2098, 0.1019**.

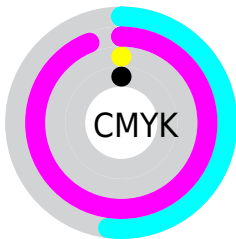
Distribution



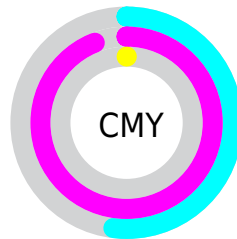
- Red (48%)
- Green (6%)
- Blue (100%)



- Red (48%)
- Yellow (6%)
- Blue (100%)



- Cyan (52%)
- Magenta (94%)
- Yellow (0%)
- Black (0%)





- Cyan (52%)
- Magenta (94%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.8015, 0.1975, 0.0883 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 11.8015, 0.1975, 0.0883 by changing the saturation by 10% instead.


 11.8015, 0.1975,
0.0883


 11.8015, 0.1975,
0.0883


203.0867, 0.2646,
0.1940


 6.6087, 0.1802,
0.0690


 29.1331, 0.2228,
0.1217


 3.2186, 0.1585,
0.0485


 42.0406, 0.2322,
0.1358


 1.2469, 0.1315,
0.0282

 58.2884, 0.2400,
0.1484

 0.0995, 0.0993,
0.0036

 78.2610, 0.2465,
0.1596

 0.0000, 0.0611,
0.0000

 102.3428, 0.2521,
0.1696

 0.0000, 0.0000,
0.0000

 130.9180, 0.2569,

0.1786

164.3712, 0.2610,
0.1867

■ 11.8015, 0.1975,
0.0883

■ 11.8015, 0.1975,
0.0883

■ 10.8002, 0.1906,
0.0824

■ 14.1711, 0.2098,
0.1019

■ 17.8400, 0.2235,
0.1214

■ 23.0036, 0.2380,
0.1460

■ 29.8225, 0.2525,
0.1743

■ 38.4358, 0.2665,
0.2046

■ 48.9673, 0.2794,
0.2354

■ 61.5298, 0.2910,
0.2653

■ 76.2270, 0.3011,
0.2937

■ 93.1553, 0.3098,
0.3199

Harmonies

Analogous

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



11.8015, 0.0866, 0.0693



11.8015, 0.1975, 0.0883



11.8015, 0.4296, 0.1405

Triad

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



11.8015, 0.1975, 0.0883



11.8015, 0.6001, 0.3999



11.8015, 0.0384, 0.3131

Complementary

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



11.8015, 0.1975, 0.0883



77.8312, 0.3461, 0.5604

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.



11.8015, 0.1006, 0.7358



11.8015, 0.1975, 0.0883



11.8015, 0.4128, 0.5872

Square

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



11.8015, 0.1975, 0.0883



11.8015, 0.7143, 0.2857



11.8015, 0.2222, 0.7778



11.8015, 0.0288, 0.1274

Rectangle

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



11.8015, 0.1975, 0.0883



11.8015, 0.6151, 0.1903



11.8015, 0.2222, 0.7778



11.8015, 0.0511, 0.4397

Sweetspot

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



11.8017, 0.1975, 0.0883



55.8655, 0.2861, 0.2525



29.6096, 0.1864, 0.1877



10.8254, 0.2810, 0.2395



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.



11.8017, 0.1975, 0.0883



10.8047, 0.1906, 0.0824



25.9473, 0.3050, 0.1470



17.7756, 0.3049, 0.3049



5.7312, 0.1923, 0.0833



0.6217, 0.2048, 0.0902

Inverse Universe

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



23.7660, 0.4644, 0.2360



23.1799, 0.4775, 0.2404



71.8356, 0.3018, 0.5951



18.1551, 0.3207, 0.3159



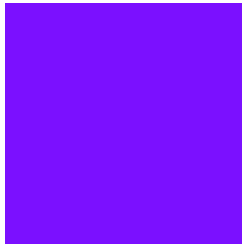
12.1425, 0.4742, 0.2386



1.2043, 0.4518, 0.2263

Previews

White Background



This preview shows how the Yxy color 11.8015, 0.1975, 0.0883 looks on a white background.

Color Contrast Check

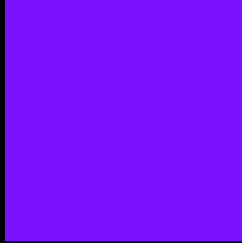
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.8015, 0.1975, 0.0883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

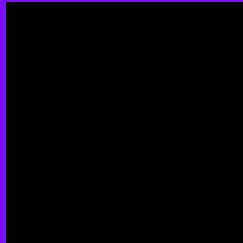
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 11.8015, 0.1975, 0.0883

Background



This preview shows how black text looks on a background with the Yxy color 11.8015, 0.1975, 0.0883.



This preview shows how white text looks on a background with the Yxy color 11.8015, 0.1975, 0.0883.

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

11.8015, 0.1975, 0.0883

Protanopia

11.8142, 0.1746, 0.1487

Deuteranopia

11.9415, 0.1866, 0.1917



Tritanopia

11.8593, 0.2741, 0.3099

Trichromacy



Original Color

11.8015, 0.1975, 0.0883



Protanomaly

9.3482, 0.1694, 0.1022



Deuteranomaly

8.9843, 0.1742, 0.1148



Tritanomaly

9.2623, 0.2316, 0.1615

Monochromacy



Original Color

11.8015, 0.1975, 0.0883



Achromatopsia

7.0360, 0.3127, 0.3290



Achromatomaly

6.8071, 0.2443, 0.1589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8015, 0.1975, 0.0883 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(123, 16, 255)` looks like.

```
.text, #text, p{  
    color:rgb(123, 16, 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(123, 16, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 16, 255) }
```

Border

The CSS property to change the border of an element to Yxy 11.8015, 0.1975, 0.0883 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(123, 16, 255) }
```

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

```
.border{ border-color:rgb(123, 16, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 16, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 16, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 16, 255);  
box-shadow:4px 4px 4px 4px rgb(123, 16,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8015, 0.1975, 0.0883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 16, 255) }
```

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

```
.background{ background-color: rgb(123, 16,  
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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