

Converting Colors

$Y_{xy}(10.9478, 0.1901, 0.0834)$

Have a look what the booklet for
Yxy(10.9478, 0.1901, 0.0834)
contains.

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Color

Yxy(10.9478, 0.1901, 0.0834)

Conversions

Conversions Part 1

Format	Color
Hex	710AFF
RGB	113, 10, 255
RGB Percent	44%, 4%, 100%
CMY	0.5572, 0.9592, 0.0002
CMYK	0.56, 0.96, 0.00, 0.00
HSL	265°, 100%, 52%
HSV	265°, 96%, 100%
XYZ	24.9542, 10.9478, 95.3666
YIQ	68.7270, -17.2570, 98.0310

Conversions

Conversions Part 2

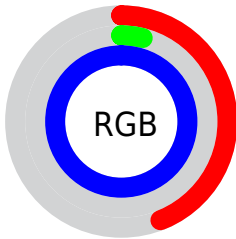
Format	Color
R _Y B	113, 10, 255
Decimal	7408383
CIE Lab	39.49, 80.97, -95.68
CIE LCh	39, 125.344, 310.241
Yxy	10.9478, 0.1901, 0.0834
Android (android.graphics.Color)	4285598463 (0xFF710AFF)
YUV	68.7270, 91.8326, 38.8274
Hunter-Lab	33.0875, 76.7195, -147.7279

Details

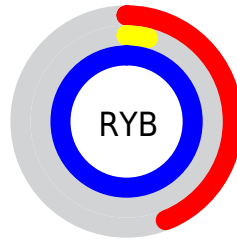
The Yxy color **10.9478, 0.1901, 0.0834** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **78.2305, 0.3491, 0.5592**, and the grayscale version is **5.7894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **22.9902, 0.2488, 0.1440**, and **4.2379, 0.1545, 0.0625** is the 20% darker color. If you saturate the color by 10%, you get **10.3355, 0.1857, 0.0797**, and if you desaturate by 10%, it is **13.0400, 0.2021, 0.0957**.

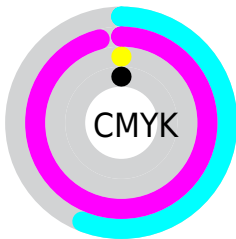
Distribution



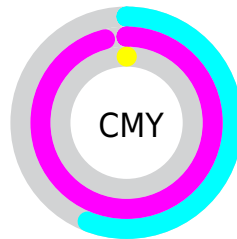
- Red (44%)
- Green (4%)
- Blue (100%)



- Red (44%)
- Yellow (4%)
- Blue (100%)



- Cyan (56%)
- Magenta (96%)
- Yellow (0%)
- Black (0%)





- Cyan (56%)
- Magenta (96%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.9478, 0.1901, 0.0834 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 10.9478, 0.1901, 0.0834 by changing the saturation by 10% instead.


 10.9478, 0.1901,
0.0834


 10.9478, 0.1901,
0.0834


197.3091, 0.2612,
0.1909


 6.0317, 0.1720,
0.0641


 27.5636, 0.2168,
0.1171


 2.8644, 0.1495,
0.0440


 40.0321, 0.2267,
0.1314


 1.0614, 0.1218,
0.0245

 55.7870, 0.2350,
0.1442

 0.0000, 0.0895,
0.0000

 75.2124, 0.2419,
0.1557

 0.0000, 0.0522,
0.0000

 98.6930, 0.2478,
0.1659

 0.0000, 0.0000,
0.0000

 126.6130, 0.2529,

0.1751

159.3569, 0.2573,
0.1834

■ 10.9478, 0.1901,
0.0834

■ 10.9478, 0.1901,
0.0834

■ 10.3355, 0.1857,
0.0797

■ 13.0400, 0.2021,
0.0957

■ 16.3937, 0.2159,
0.1143

■ 21.2163, 0.2308,
0.1383

■ 27.6756, 0.2460,
0.1664

■ 35.9159, 0.2608,
0.1968

■ 46.0649, 0.2746,
0.2279

■ 58.2383, 0.2871,
0.2585

■ 72.5425, 0.2982,
0.2874

■ 89.0762, 0.3077,
0.3142

Harmonies

Analogous

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



10.9478, 0.0811, 0.0653



10.9478, 0.1901, 0.0834



10.9478, 0.4256, 0.1345

Triad

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



10.9478, 0.1901, 0.0834



10.9478, 0.6079, 0.3921



10.9478, 0.0343, 0.3176

Complementary

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



10.9478, 0.1901, 0.0834



78.2305, 0.3491, 0.5592

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.



10.9478, 0.0943, 0.7622



10.9478, 0.1901, 0.0834



10.9478, 0.4148, 0.5852

Square

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



10.9478, 0.1901, 0.0834



10.9478, 0.7229, 0.2771



10.9478, 0.2157, 0.7843



10.9478, 0.0255, 0.1241

Rectangle

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



10.9478, 0.1901, 0.0834



10.9478, 0.6190, 0.1840



10.9478, 0.2157, 0.7843



10.9478, 0.0464, 0.4526

Sweetspot

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



10.9480, 0.1901, 0.0834



54.2928, 0.2834, 0.2492



30.0842, 0.1866, 0.1898



10.5132, 0.2781, 0.2361



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.



10.9480, 0.1901, 0.0834



10.3397, 0.1857, 0.0797



25.0325, 0.3005, 0.1439



17.7498, 0.3045, 0.3049



5.4857, 0.1874, 0.0806



0.5966, 0.2000, 0.0875

Inverse Universe

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



23.7581, 0.4576, 0.2311



23.4013, 0.4654, 0.2337



71.8013, 0.3020, 0.5963



18.1640, 0.3203, 0.3153



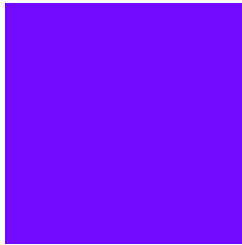
12.2581, 0.4624, 0.2321



1.2154, 0.4417, 0.2207

Previews

White Background



This preview shows how the Yxy color 10.9478, 0.1901, 0.0834 looks on a white background.

Color Contrast Check

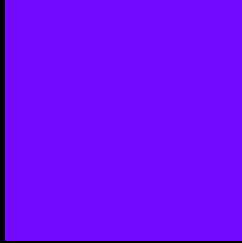
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.9478, 0.1901, 0.0834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

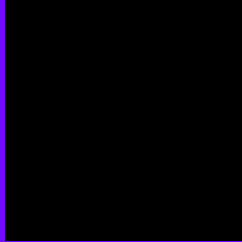
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.9478, 0.1901, 0.0834

Background



This preview shows how black text looks on a background with the Yxy color 10.9478, 0.1901, 0.0834.



This preview shows how white text looks on a background with the Yxy color 10.9478, 0.1901, 0.0834.

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

10.9478, 0.1901, 0.0834

Protanopia

10.9865, 0.1749, 0.1496

Deuteranopia

10.9744, 0.1864, 0.1911



Tritanopia

10.9459, 0.2531, 0.3086

Trichromacy



Original Color

10.9478, 0.1901, 0.0834

Protanomaly

8.6130, 0.1676, 0.0989

Deuteranomaly

8.2375, 0.1722, 0.1111

Tritanomaly

8.2498, 0.2136, 0.1511

Monochromacy



Original Color

10.9478, 0.1901, 0.0834

Achromatopsia

5.9511, 0.3127, 0.3290

Achromatomaly

5.8513, 0.2361, 0.1482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.9478, 0.1901, 0.0834 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(113, 10, 255)` looks like.

```
.text, #text, p{  
    color:rgb(113, 10, 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(113, 10, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 10, 255) }
```

Border

The CSS property to change the border of an element to Yxy 10.9478, 0.1901, 0.0834 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(113, 10, 255) }
```

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

```
.border{ border-color:rgb(113, 10, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 10, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 10, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 10, 255);  
box-shadow:4px 4px 4px 4px rgb(113, 10,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 10.9478, 0.1901, 0.0834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 10, 255) }
```

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

```
.background{ background-color: rgb(113, 10,  
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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