

Converting Colors

$Y_{xy}(11.8389, 0.1867, 0.0896)$

Have a look what the booklet for
Yxy(11.8389, 0.1867, 0.0896)
contains.

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Color

Yxy(11.8792, 0.1869, 0.0899)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 692AFF |
| RGB | 105, 42, 255 |
| RGB Percent | 41%, 16%, 100% |
| CMY | 0.5883, 0.8351, 0.0002 |
| CMYK | 0.59, 0.84, 0.00, 0.00 |
| HSL | 258°, 100%, 58% |
| HSV | 258°, 84%, 100% |
| XYZ | 24.6966, 11.8792, 95.5622 |
| YIQ | 85.1190, -30.8250, 79.5990 |

Conversions

Conversions Part 2

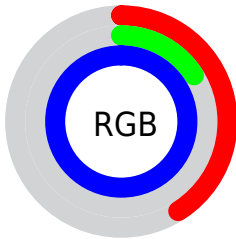
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 105, 42, 255 |
| Decimal | 6892287 |
| CIE Lab | 41.02, 73.27, -93.17 |
| CIE LCh | 41, 118.528, 308.181 |
| Yxy | 11.8792, 0.1869, 0.0899 |
| Android (android.graphics.Color) | 4285082367 (0xFF692AFF) |
| YUV | 85.1190, 83.7513, 17.4356 |
| Hunter-Lab | 34.4662, 67.5873, -140.2630 |

Details

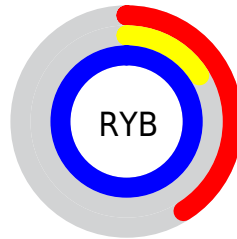
The Yxy color **11.8792, 0.1869, 0.0899** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **82.8685, 0.3714, 0.5315**, and the grayscale version is **8.9422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **24.8016, 0.2435, 0.1536**, and **4.0312, 0.1500, 0.0600** is the 20% darker color. If you saturate the color by 10%, you get **9.6322, 0.1745, 0.0758**, and if you desaturate by 10%, it is **15.5040, 0.2020, 0.1109**.

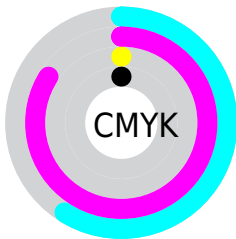
Distribution



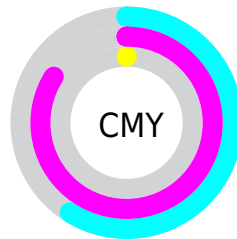
- Red (41%)
- Green (16%)
- Blue (100%)



- Red (41%)
- Yellow (16%)
- Blue (100%)



- Cyan (59%)
- Magenta (84%)
- Yellow (0%)
- Black (0%)



- Cyan (59%)
- Magenta (84%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8792, 0.1869, 0.0899 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 11.8792, 0.1869, 0.0899 by changing the saturation by 10% instead.


 11.8792, 0.1869,
0.0899


 11.8792, 0.1869,
0.0899


203.6039, 0.2585,
0.1959


 6.6615, 0.1688,
0.0704


 29.2749, 0.2136,
0.1236


 3.2513, 0.1465,
0.0496


 42.2217, 0.2236,
0.1377


 1.2643, 0.1191,
0.0290

 58.5136, 0.2319,
0.1503

 0.1133, 0.0871,
0.0041

 78.5350, 0.2389,
0.1615

 0.0000, 0.0505,
0.0000

 102.6704, 0.2449,
0.1716

 0.0000, 0.0000,
0.0000

 131.3040, 0.2501,

0.1805

164.8204, 0.2546,
0.1886

■ 11.8792, 0.1869,
0.0899

■ 11.8792, 0.1869,
0.0899

■ 9.6322, 0.1745,
0.0758

■ 15.5040, 0.2020,
0.1109

■ 8.7281, 0.1680,
0.0699

■ 20.7079, 0.2188,
0.1376

■ 27.6582, 0.2364,
0.1683

■ 36.5003, 0.2536,
0.2008

■ 47.3635, 0.2699,
0.2334

60.3659, 0.2847,
0.2647

75.6161, 0.2977,
0.2938

93.2153, 0.3091,
0.3203

99.9972, 0.3127,
0.3290

Harmonies

Analogous

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



11.8792, 0.0850, 0.0733



11.8792, 0.1869, 0.0899



11.8792, 0.4011, 0.1391

Triad

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



11.8792, 0.1869, 0.0899



11.8792, 0.6092, 0.3908



11.8792, 0.0470, 0.3464

Complementary

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



11.8792, 0.1869, 0.0899



82.8685, 0.3714, 0.5315

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.



11.8792, 0.1192, 0.7445



11.8792, 0.1869, 0.0899



11.8792, 0.4344, 0.5656

Square

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



11.8792, 0.1869, 0.0899



11.8792, 0.7137, 0.2863



11.8792, 0.2474, 0.7526



11.8792, 0.0324, 0.1425

Rectangle

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



11.8792, 0.1869, 0.0899



11.8792, 0.5824, 0.1882



11.8792, 0.2474, 0.7526



11.8792, 0.0629, 0.4760

Sweetspot

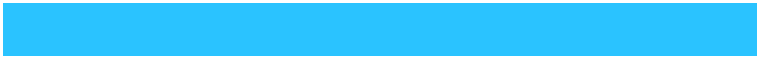
The Sweet Spot groups the original color and five complimentary colors.



11.8794, 0.1869, 0.0899



58.3065, 0.2826, 0.2601



46.5766, 0.2060, 0.2497



11.4731, 0.2775, 0.2492



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.



11.8794, 0.1869, 0.0899



8.7314, 0.1680, 0.0699



22.4068, 0.2750, 0.1366



17.6379, 0.3025, 0.3047



4.6290, 0.1694, 0.0707



0.5042, 0.1811, 0.0771

Inverse Universe

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



26.7178, 0.3949, 0.2046



24.5396, 0.4152, 0.2061



73.7434, 0.3135, 0.5750



18.2035, 0.3184, 0.3124



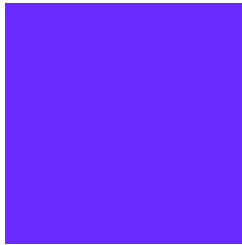
12.8500, 0.4132, 0.2050



1.2703, 0.4001, 0.1978

Previews

White Background



This preview shows how the Yxy color 11.8792, 0.1869, 0.0899 looks on a white background.

Color Contrast Check

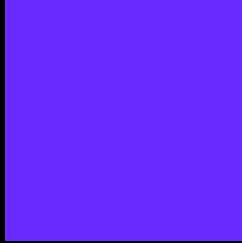
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.8792, 0.1869, 0.0899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

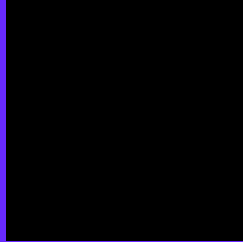
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8792, 0.1869, 0.0899

Background



This preview shows how black text looks on a background with the Yxy color 11.8792, 0.1869, 0.0899.



This preview shows how white text looks on a background with the Yxy color 11.8792, 0.1869, 0.0899.

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

11.8792, 0.1869, 0.0899

Protanopia

11.7688, 0.1749, 0.1495

Deuteranopia

11.7137, 0.1864, 0.1909



Tritanopia

11.8090, 0.2360, 0.3086

Trichromacy



Original Color

11.8792, 0.1869, 0.0899



Protanomaly

10.3194, 0.1698, 0.1111



Deuteranomaly

9.9844, 0.1750, 0.1263



Tritanomaly

9.9094, 0.2049, 0.1684

Monochromacy



Original Color

11.8792, 0.1869, 0.0899



Achromatopsia

9.0842, 0.3127, 0.3290



Achromatomaly

8.6381, 0.2405, 0.1759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8792, 0.1869, 0.0899 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(105, 42, 255)` looks like.

```
.text, #text, p{  
  color:rgb(105, 42, 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(105, 42, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 42, 255) }
```

Border

The CSS property to change the border of an element to Yxy 11.8792, 0.1869, 0.0899 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(105, 42, 255) }
```

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

```
.border{ border-color:rgb(105, 42, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 42, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 42, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 42, 255);  
box-shadow:4px 4px 4px 4px rgb(105, 42,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8792, 0.1869, 0.0899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 42, 255) }
```

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

```
.background{ background-color: rgb(105, 42,  
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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