

Converting Colors

$Y_{xy}(10.9536, 0.1859, 0.0838)$

Have a look what the booklet for
Yxy(10.9536, 0.1859, 0.0838)
contains.

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Color

Yxy(10.9794, 0.1861, 0.0840)

Conversions

Conversions Part 1

Format	Color
Hex	6A19FF
RGB	106, 25, 255
RGB Percent	42%, 10%, 100%
CMY	0.5848, 0.9010, 0.0002
CMYK	0.58, 0.90, 0.00, 0.00
HSL	261°, 100%, 55%
HSV	261°, 90%, 100%
XYZ	24.3246, 10.9794, 95.4031
YIQ	75.4390, -25.5540, 88.7020

Conversions

Conversions Part 2

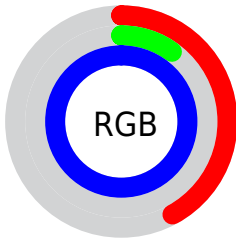
Format	Color
R _{YB}	106, 25, 255
Decimal	6953471
CIE Lab	39.55, 78.03, -95.61
CIE LCh	40, 123.409, 309.217
Yxy	10.9794, 0.1861, 0.0840
Android (android.graphics.Color)	4285143551 (0xFF6A19FF)
YUV	75.4390, 88.5236, 26.8020
Hunter-Lab	33.1352, 73.0506, -147.5138

Details

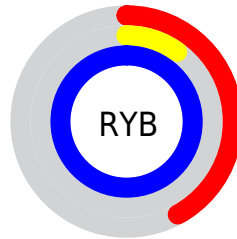
The Yxy color **10.9794, 0.1861, 0.0840** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed purple. A complement of this color would be **80.5929, 0.3618, 0.5456**, and the grayscale version is **6.9793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **22.9701, 0.2432, 0.1449**, and **4.0312, 0.1500, 0.0600** is the 20% darker color. If you saturate the color by 10%, you get **9.3662, 0.1752, 0.0739**, and if you desaturate by 10%, it is **13.7303, 0.1996, 0.1004**.

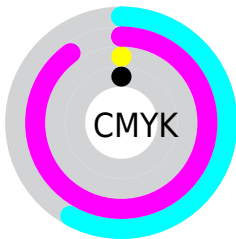
Distribution



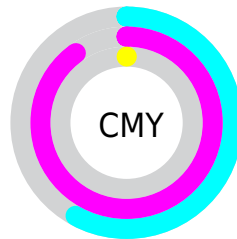
- Red (42%)
- Green (10%)
- Blue (100%)



- Red (42%)
- Yellow (10%)
- Blue (100%)



- Cyan (58%)
- Magenta (90%)
- Yellow (0%)
- Black (0%)




- Cyan (58%)
- Magenta (90%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.9794, 0.1861, 0.0840 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 10.9794, 0.1861, 0.0840 by changing the saturation by 10% instead.


 10.9794, 0.1861,
0.0840


 10.9794, 0.1861,
0.0840


197.5262, 0.2589,
0.1916


 6.0530, 0.1677,
0.0647


 27.6221, 0.2133,
0.1178


 2.8773, 0.1450,
0.0444


 40.1071, 0.2234,
0.1322


 1.0680, 0.1172,
0.0247

 55.8805, 0.2319,
0.1450

 0.0000, 0.0850,
0.0000

 75.3266, 0.2390,
0.1564

 0.0000, 0.0484,
0.0000

 98.8298, 0.2451,
0.1667

 0.0000, 0.0000,
0.0000

 126.7746, 0.2504,

0.1759

159.5452, 0.2549,
0.1841

■ 10.9794, 0.1861,
0.0840

■ 10.9794, 0.1861,
0.0840

■ 9.3662, 0.1752,
0.0739

■ 13.7303, 0.1996,
0.1004

■ 17.9038, 0.2149,
0.1230

■ 23.6850, 0.2313,
0.1506

■ 31.2294, 0.2478,
0.1813

■ 40.6736, 0.2636,
0.2133

■ 52.1405, 0.2782,
0.2449

■ 65.7423, 0.2913,
0.2752

■ 81.5829, 0.3027,
0.3032

99.7591, 0.3126,
0.3288

Harmonies

Analogous

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



10.9794, 0.0805, 0.0668



10.9794, 0.1861, 0.0840



10.9794, 0.4145, 0.1340

Triad

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



10.9794, 0.1861, 0.0840



10.9794, 0.6114, 0.3886



10.9794, 0.0372, 0.3306

Complementary

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



10.9794, 0.1861, 0.0840



80.5929, 0.3618, 0.5456

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.



10.9794, 0.1012, 0.7655



10.9794, 0.1861, 0.0840



10.9794, 0.4233, 0.5767

Square

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



10.9794, 0.1861, 0.0840



10.9794, 0.7226, 0.2774



10.9794, 0.2255, 0.7745



10.9794, 0.0267, 0.1296

Rectangle

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



10.9794, 0.1861, 0.0840



10.9794, 0.6063, 0.1833



10.9794, 0.2255, 0.7745



10.9794, 0.0505, 0.4672

Sweetspot

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



10.9796, 0.1861, 0.0840



56.1502, 0.2824, 0.2545



37.9118, 0.1962, 0.2208



11.0814, 0.2778, 0.2440



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.



10.9796, 0.1861, 0.0840



9.3702, 0.1752, 0.0739



23.2150, 0.2864, 0.1384



17.6879, 0.3034, 0.3048



4.9711, 0.1768, 0.0748



0.5423, 0.1891, 0.0815

Inverse Universe

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



25.0237, 0.4220, 0.2144



23.9938, 0.4371, 0.2181



72.5110, 0.3065, 0.5885



18.1857, 0.3192, 0.3137



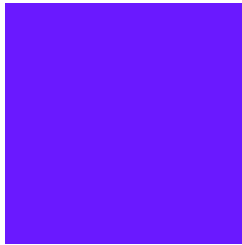
12.5666, 0.4347, 0.2168



1.2443, 0.4182, 0.2078

Previews

White Background



This preview shows how the Yxy color 10.9794, 0.1861, 0.0840 looks on a white background.

Color Contrast Check

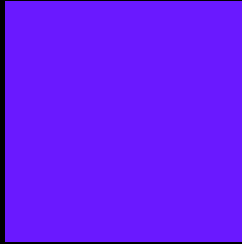
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.9794, 0.1861, 0.0840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

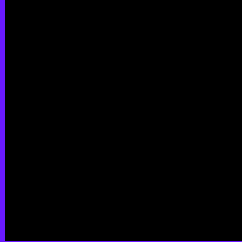
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 10.9794, 0.1861, 0.0840

Background



This preview shows how black text looks on a background with the Yxy color 10.9794, 0.1861, 0.0840.



This preview shows how white text looks on a background with the Yxy color 10.9794, 0.1861, 0.0840.

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

10.9794, 0.1861, 0.0840

Protanopia

10.9432, 0.1752, 0.1505

Deuteranopia

10.9390, 0.1868, 0.1925



Tritanopia

10.9470, 0.2379, 0.3081

Trichromacy



Original Color

10.9794, 0.1861, 0.0840

Protanomaly

9.0812, 0.1686, 0.1044

Deuteranomaly

8.7518, 0.1734, 0.1178

Tritanomaly

8.5670, 0.2039, 0.1557

Monochromacy



Original Color

10.9794, 0.1861, 0.0840

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

6.9754, 0.2371, 0.1613

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.9794, 0.1861, 0.0840 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(106, 25, 255)` looks like.

```
.text, #text, p{  
    color:rgb(106, 25, 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(106, 25, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 25, 255) }
```

Border

The CSS property to change the border of an element to Yxy 10.9794, 0.1861, 0.0840 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(106, 25, 255) }
```

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

```
.border{ border-color:rgb(106, 25, 255) }
```

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

Here you see how a box with a 4 pixel rgb(106, 25, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 25, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 25, 255);  
box-shadow:4px 4px 4px 4px rgb(106, 25,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 10.9794, 0.1861, 0.0840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 25, 255) }
```

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

```
.background{ background-color: rgb(106, 25,  
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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