

Converting Colors

$Yxy(10.3453, 0.1868, 0.0806)$

Have a look what the booklet for
Yxy(10.3453, 0.1868, 0.0806)
contains.

Yxy(10.3451, 0.1871, 0.0808)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(10.3451, 0.1871, 0.0808)

Conversions

Conversions Part 1

Format	Color
Hex	6C03FD
RGB	108, 3, 253
RGB Percent	42%, 1%, 99%
CMY	0.5765, 0.9890, 0.0075
CMYK	0.57, 0.99, 0.00, 0.01
HSL	265°, 98%, 50%
HSV	265°, 99%, 99%
XYZ	23.9551, 10.3451, 93.7333
YIQ	62.8950, -17.6700, 100.0100

Conversions

Conversions Part 2

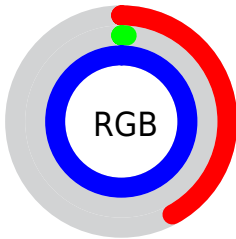
Format	Color
RYB	108, 3, 253
Decimal	7078909
CIELab	38.45, 81.11, -96.37
CIElCh	38, 125.962, 310.087
Yxy	10.3451, 0.1871, 0.0808
Android (android.graphics.Color)	4285268989 (0xFF6C03FD)
YUV	62.8950, 93.7218, 39.5571
Hunter-Lab	32.1638, 76.6571, -150.2711

Details

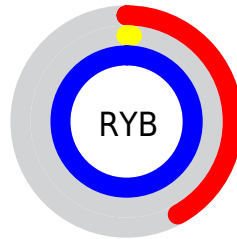
The Yxy color **10.3451, 0.1871, 0.0808** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **76.5978, 0.3474, 0.5619**, and the grayscale version is **4.8006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **22.1035, 0.2443, 0.1404**, and **3.9724, 0.1507, 0.0604** is the 20% darker color. If you saturate the color by 10%, you get **10.1832, 0.1859, 0.0798**, and if you desaturate by 10%, it is **12.1189, 0.1986, 0.0916**.

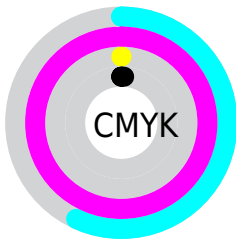
Distribution



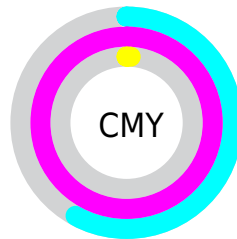
- Red (42%)
- Green (1%)
- Blue (99%)



- Red (42%)
- Yellow (1%)
- Blue (99%)



- Cyan (57%)
- Magenta (99%)
- Yellow (0%)
- Black (1%)





- Cyan (58%)
- Magenta (99%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.3451, 0.1871, 0.0808 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 10.3451, 0.1871, 0.0808 by changing the saturation by 10% instead.


 10.3451, 0.1871,
0.0808


 10.3451, 0.1871,
0.0808


193.1177, 0.2601,
0.1895


 5.6284, 0.1685,
0.0615


 26.4426, 0.2145,
0.1148


 2.6204, 0.1455,
0.0414


 38.5922, 0.2247,
0.1293


 0.9370, 0.1173,
0.0223

 53.9881, 0.2332,
0.1422

 0.0000, 0.0845,
0.0000

 73.0149, 0.2403,
0.1538

 0.0000, 0.0475,
0.0000

 96.0568, 0.2464,
0.1642

 0.0000, 0.0000,
0.0000

 123.4983, 0.2516,

0.1735

155.7238, 0.2561,
0.1819

■ 10.3451, 0.1871,
0.0808

■ 10.3451, 0.1871,
0.0808

■ 10.1832, 0.1859,
0.0798

■ 12.1189, 0.1986,
0.0916

■ 15.0285, 0.2119,
0.1083

■ 19.3263, 0.2265,
0.1308

■ 25.1863, 0.2417,
0.1578

■ 32.7560, 0.2566,
0.1877

■ 42.1650, 0.2707,
0.2188

■ 53.5301, 0.2836,
0.2496

■ 66.9584, 0.2951,
0.2790

■ 82.5487, 0.3051,
0.3065

Harmonies

Analogous

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



10.3451, 0.0785, 0.0631



10.3451, 0.1871, 0.0808



10.3451, 0.4257, 0.1315

Triad

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



10.3451, 0.1871, 0.0808



10.3451, 0.6113, 0.3887



10.3451, 0.0317, 0.3174

Complementary

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



10.3451, 0.1871, 0.0808



76.5978, 0.3474, 0.5619

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.



10.3451, 0.0896, 0.7752



10.3451, 0.1871, 0.0808



10.3451, 0.4141, 0.5859

Square

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



10.3451, 0.1871, 0.0808



10.3451, 0.7273, 0.2727



10.3451, 0.2104, 0.7896



10.3451, 0.0236, 0.1213

Rectangle

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



10.3451, 0.1871, 0.0808



10.3451, 0.6235, 0.1808



10.3451, 0.2104, 0.7896



10.3451, 0.0432, 0.4566

Sweetspot

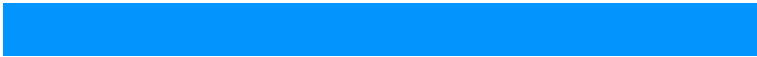
The Sweet Spot groups the original color and five complimentary colors.



10.3453, 0.1871, 0.0808



53.0571, 0.2822, 0.2462



28.5479, 0.1850, 0.1853



10.2801, 0.2769, 0.2332



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.



10.3453, 0.1871, 0.0808



10.3557, 0.1859, 0.0798



24.3523, 0.2999, 0.1428



17.7507, 0.3045, 0.3049



5.4942, 0.1876, 0.0807



0.5975, 0.2001, 0.0876

Inverse Universe

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



23.0948, 0.4636, 0.2332



23.3931, 0.4658, 0.2340



70.5004, 0.3015, 0.5982



18.1637, 0.3203, 0.3153



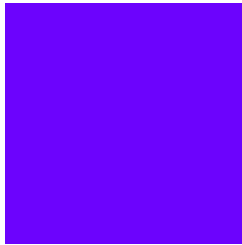
12.2539, 0.4628, 0.2323



1.2149, 0.4421, 0.2209

Previews

White Background



This preview shows how the Yxy color 10.3451, 0.1871, 0.0808 looks on a white background.

Color Contrast Check

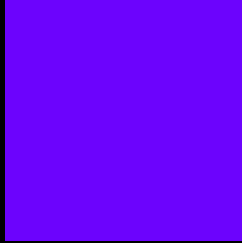
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.3451, 0.1871, 0.0808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

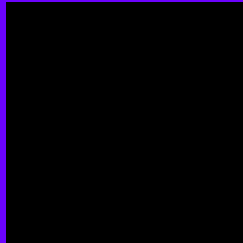
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.3451, 0.1871, 0.0808

Background



This preview shows how black text looks on a background with the Yxy color 10.3451, 0.1871, 0.0808.



This preview shows how white text looks on a background with the Yxy color 10.3451, 0.1871, 0.0808.

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

10.3451, 0.1871, 0.0808

Protanopia

10.4822, 0.1749, 0.1497

Deuteranopia

10.4740, 0.1867, 0.1922



Tritanopia

10.4541, 0.2440, 0.3079

Trichromacy



Original Color

10.3451, 0.1871, 0.0808



Protanomaly

8.0107, 0.1664, 0.0957



Deuteranomaly

7.6191, 0.1708, 0.1073



Tritanomaly

7.3978, 0.2057, 0.1431

Monochromacy



Original Color

10.3451, 0.1871, 0.0808



Achromatopsia

4.9707, 0.3127, 0.3290



Achromatomaly

4.9141, 0.2309, 0.1386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3451, 0.1871, 0.0808 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(108, 3, 253)` looks like.

```
.text, #text, p{  
    color:rgb(108, 3, 253)  
}
```

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(108, 3, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 3, 253) }
```

Border

The CSS property to change the border of an element to Yxy 10.3451, 0.1871, 0.0808 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(108, 3, 253) }
```

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

```
.border{ border-color:rgb(108, 3, 253) }
```

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

Here you see how a box with a 4 pixel rgb(108, 3, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 3, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 3, 253);  
box-shadow:4px 4px 4px 4px rgb(108, 3,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 10.3451, 0.1871, 0.0808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 3, 253) }
```

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

```
.background{ background-color: rgb(108, 3,  
253) }
```

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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