

Converting Colors

$Y_{xy}(10.0331, 0.1875, 0.0806)$

Have a look what the booklet for
Yxy(10.0331, 0.1875, 0.0806)
contains.

Yxy(10.0279, 0.1873, 0.0805)	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(10.0279, 0.1873, 0.0805)

Conversions

Conversions Part 1

Format	Color
Hex	6B00FA
RGB	107, 0, 250
RGB Percent	42%, 0%, 98%
CMY	0.5802, 1.0000, 0.0193
CMYK	0.57, 1.00, 0.00, 0.02
HSL	266°, 100%, 49%
HSV	266°, 100%, 98%
XYZ	23.3320, 10.0279, 91.2103
YIQ	60.4930, -16.4780, 100.4340

Conversions

Conversions Part 2

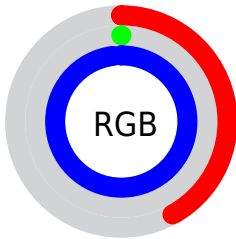
Format	Color
R_{YB}	107, 0, 250
Decimal	7012602
CIE _{Lab}	37.89, 80.77, -95.62
CIE _{LCh}	38, 125.168, 310.190
Yxy	10.0279, 0.1873, 0.0805
Android (android.graphics.Color)	4285202682 (0xFF6B00FA)
YUV	60.4930, 93.4270, 40.7866
Hunter-Lab	31.6669, 76.1010, -148.6066

Details

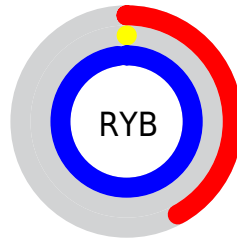
The Yxy color **10.0279, 0.1873, 0.0805** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **74.2602, 0.3457, 0.5637**, and the grayscale version is **4.4636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **21.6962, 0.2432, 0.1386**, and **3.8316, 0.1506, 0.0603** is the 20% darker color. If you saturate the color by 10%, you get **10.0358, 0.1873, 0.0806**, and if you desaturate by 10%, it is **11.6929, 0.1986, 0.0909**.

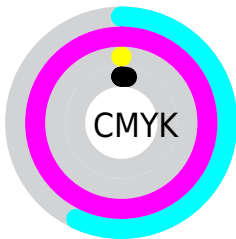
Distribution



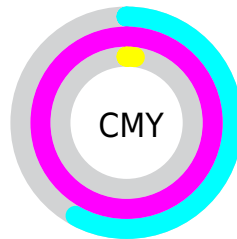
- Red (42%)
- Green (0%)
- Blue (98%)



- Red (42%)
- Yellow (0%)
- Blue (98%)



- Cyan (57%)
- Magenta (100%)
- Yellow (0%)
- Black (2%)




- Cyan (58%)
- Magenta (100%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0279, 0.1873, 0.0805 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 10.0279, 0.1873, 0.0805 by changing the saturation by 10% instead.


 10.0279, 0.1873,
0.0805


 10.0279, 0.1873,
0.0805

190.8711, 0.2605,
0.1898

 5.4175, 0.1685,
0.0610


 25.8480, 0.2149,
0.1148


 2.4942, 0.1452,
0.0408


 37.8264, 0.2251,
0.1294


 0.8737, 0.1167,
0.0216

 53.0296, 0.2336,
0.1424

 0.0000, 0.0834,
0.0000

 71.8419, 0.2408,
0.1540

 0.0000, 0.0457,
0.0000

 94.6479, 0.2469,
0.1645

 0.0000, 0.0000,
0.0000

 121.8318, 0.2521,

0.1738

153.7781, 0.2566,
0.1822

■ 10.0279, 0.1873,
0.0805

■ 10.0279, 0.1873,
0.0805

■ 10.0358, 0.1873,
0.0806

■ 11.6929, 0.1986,
0.0909

■ 14.3948, 0.2117,
0.1069

■ 18.4221, 0.2260,
0.1287

■ 23.9473, 0.2410,
0.1552

■ 31.1154, 0.2558,
0.1847

■ 40.0539, 0.2699,
0.2156

■ 50.8771, 0.2827,
0.2464

■ 63.6896, 0.2942,
0.2759

■ 78.5882, 0.3042,
0.3036

Harmonies

Analogous

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



10.0279, 0.0783, 0.0627



10.0279, 0.1873, 0.0805



10.0279, 0.4270, 0.1313

Triad

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



10.0279, 0.1873, 0.0805



10.0279, 0.6112, 0.3888



10.0279, 0.0311, 0.3159

Complementary

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



10.0279, 0.1873, 0.0805



74.2602, 0.3457, 0.5637

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.



10.0279, 0.0884, 0.7760



10.0279, 0.1873, 0.0805



10.0279, 0.4131, 0.5869

Square

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



10.0279, 0.1873, 0.0805



10.0279, 0.7278, 0.2722



10.0279, 0.2087, 0.7913



10.0279, 0.0233, 0.1204

Rectangle

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



10.0279, 0.1873, 0.0805



10.0279, 0.6254, 0.1806



10.0279, 0.2087, 0.7913



10.0279, 0.0424, 0.4552

Sweetspot

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



10.0358, 0.1873, 0.0806



53.1456, 0.2827, 0.2463



27.4269, 0.1844, 0.1837



10.3009, 0.2774, 0.2334



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.



10.0358, 0.1873, 0.0806



10.4812, 0.1872, 0.0805



23.6038, 0.2997, 0.1424



17.0062, 0.3046, 0.3050



5.4006, 0.1890, 0.0815



0.5613, 0.2022, 0.0888

Inverse Universe

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



22.3219, 0.4690, 0.2357



23.3304, 0.4692, 0.2358



68.5760, 0.3014, 0.5989



17.3916, 0.3204, 0.3155



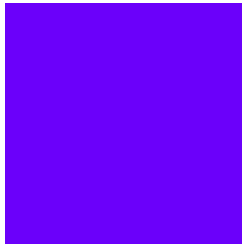
11.8616, 0.4659, 0.2340



1.1198, 0.4437, 0.2218

Previews

White Background



This preview shows how the Yxy color 10.0279, 0.1873, 0.0805 looks on a white background.

Color Contrast Check

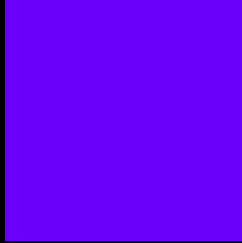
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.0279, 0.1873, 0.0805 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 10.0279, 0.1873, 0.0805

Background



This preview shows how black text looks on a background with the Yxy color 10.0279, 0.1873, 0.0805.



This preview shows how white text looks on a background with the Yxy color 10.0279, 0.1873, 0.0805.

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

10.0279, 0.1873, 0.0805

Protanopia

10.2353, 0.1750, 0.1498

Deuteranopia

10.2290, 0.1869, 0.1928



Tritanopia

10.2731, 0.2454, 0.3078

Trichromacy



Original Color

10.0279, 0.1873, 0.0805

Protanomaly

7.6687, 0.1664, 0.0948

Deuteranomaly

7.2770, 0.1708, 0.1063

Tritanomaly

7.2535, 0.2060, 0.1424

Monochromacy



Original Color

10.0279, 0.1873, 0.0805

Achromatopsia

4.6665, 0.3127, 0.3290

Achromatomaly

4.6824, 0.2310, 0.1370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0279, 0.1873, 0.0805 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(107, 0, 250)` looks like.

```
.text, #text, p{  
    color:rgb(107, 0, 250)  
}
```

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(107, 0, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 0, 250) }
```

Border

The CSS property to change the border of an element to Yxy 10.0279, 0.1873, 0.0805 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(107, 0, 250) }
```

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

```
.border{ border-color:rgb(107, 0, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 0, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 0, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 0, 250);  
box-shadow:4px 4px 4px 4px rgb(107, 0,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0279, 0.1873, 0.0805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 0, 250) }
```

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

```
.background{ background-color: rgb(107, 0,  
250) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor