

Converting Colors

$Yxy(10.3438, 0.1883, 0.0811)$

Have a look what the booklet for
Yxy(10.3438, 0.1883, 0.0811)
contains.

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Color

Yxy(10.3433, 0.1887, 0.0813)

Conversions

Conversions Part 1

Format	Color
Hex	6E00FC
RGB	110, 0, 252
RGB Percent	43%, 0%, 99%
CMY	0.5686, 1.0000, 0.0115
CMYK	0.56, 1.00, 0.00, 0.01
HSL	266°, 100%, 49%
HSV	266°, 100%, 99%
XYZ	24.0071, 10.3433, 92.8734
YIQ	61.6180, -15.3320, 101.6920

Conversions

Conversions Part 2

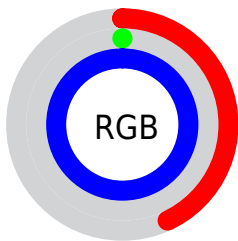
Format	Color
R_{YB}	110, 0, 252
Decimal	7209212
CIE _{Lab}	38.45, 81.36, -95.79
CIE _{LCh}	38, 125.677, 310.341
Yxy	10.3433, 0.1887, 0.0813
Android (android.graphics.Color)	4285399292 (0xFF6E00FC)
YUV	61.6180, 93.8583, 42.4310
Hunter-Lab	32.1610, 76.9627, -148.7029

Details

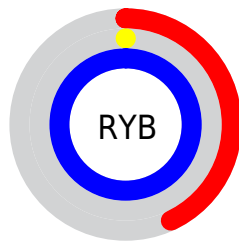
The Yxy color **10.3433, 0.1887, 0.0813** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **75.4127, 0.3444, 0.5647**, and the grayscale version is **4.6255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **22.1874, 0.2459, 0.1406**, and **4.0052, 0.1525, 0.0614** is the 20% darker color. If you saturate the color by 10%, you get **10.3465, 0.1887, 0.0813**, and if you desaturate by 10%, it is **12.0361, 0.2000, 0.0916**.

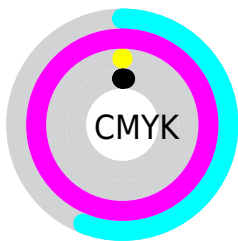
Distribution



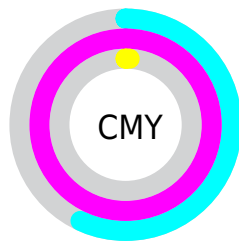
- Red (43%)
- Green (0%)
- Blue (99%)



- Red (43%)
- Yellow (0%)
- Blue (99%)



- Cyan (56%)
- Magenta (100%)
- Yellow (0%)
- Black (1%)




- Cyan (57%)
- Magenta (100%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.3433, 0.1887, 0.0813 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 10.3433, 0.1887, 0.0813 by changing the saturation by 10% instead.


 10.3433, 0.1887,
0.0813


 10.3433, 0.1887,
0.0813


193.1050, 0.2610,
0.1900


 5.6272, 0.1702,
0.0619


 26.4392, 0.2159,
0.1153


 2.6197, 0.1472,
0.0418


 38.5878, 0.2260,
0.1298


 0.9366, 0.1190,
0.0225

 53.9827, 0.2344,
0.1428

 0.0000, 0.0861,
0.0000

 73.0082, 0.2415,
0.1543

 0.0000, 0.0486,
0.0000

 96.0489, 0.2475,
0.1647

 0.0000, 0.0000,
0.0000

 123.4889, 0.2526,

0.1740

155.7128, 0.2571,
0.1824

■ 10.3433, 0.1887,
0.0813

■ 10.3433, 0.1887,
0.0813

■ 10.3465, 0.1887,
0.0813

■ 12.0361, 0.2000,
0.0916

■ 14.7865, 0.2130,
0.1075

■ 18.8829, 0.2272,
0.1292

■ 24.5007, 0.2420,
0.1556

■ 31.7877, 0.2567,
0.1850

■ 40.8735, 0.2705,
0.2157

■ 51.8746, 0.2832,
0.2464

■ 64.8972, 0.2945,
0.2760

■ 80.0399, 0.3043,
0.3036

Harmonies

Analogous

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



10.3433, 0.0793, 0.0633



10.3433, 0.1887, 0.0813



10.3433, 0.4281, 0.1323

Triad

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



10.3433, 0.1887, 0.0813



10.3433, 0.6097, 0.3903



10.3433, 0.0317, 0.3146

Complementary

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



10.3433, 0.1887, 0.0813



75.4127, 0.3444, 0.5647

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.



10.3433, 0.0893, 0.7712



10.3433, 0.1887, 0.0813



10.3433, 0.4124, 0.5876

Square

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



10.3433, 0.1887, 0.0813



10.3433, 0.7263, 0.2737



10.3433, 0.2096, 0.7904



10.3433, 0.0238, 0.1208

Rectangle

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



10.3433, 0.1887, 0.0813



10.3433, 0.6252, 0.1817



10.3433, 0.2096, 0.7904



10.3433, 0.0431, 0.4524

Sweetspot

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



10.3465, 0.1887, 0.0813



53.2399, 0.2832, 0.2464



26.6264, 0.1827, 0.1777



10.3230, 0.2780, 0.2335



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.



10.3465, 0.1887, 0.0813



10.6177, 0.1886, 0.0813



24.7371, 0.3039, 0.1448



17.0135, 0.3048, 0.3050



5.4705, 0.1904, 0.0823



0.5681, 0.2036, 0.0895

Inverse Universe

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



22.6609, 0.4726, 0.2377



23.2651, 0.4727, 0.2378



69.7738, 0.3010, 0.5992



17.3891, 0.3205, 0.3157



11.8285, 0.4694, 0.2359



1.1168, 0.4467, 0.2234

Previews

White Background



This preview shows how the Yxy color 10.3433, 0.1887, 0.0813 looks on a white background.

Color Contrast Check

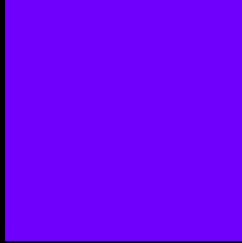
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.3433, 0.1887, 0.0813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

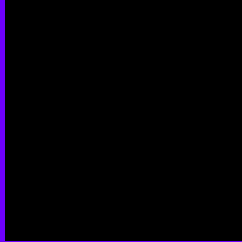
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.3433, 0.1887, 0.0813

Background



This preview shows how black text looks on a background with the Yxy color 10.3433, 0.1887, 0.0813.



This preview shows how white text looks on a background with the Yxy color 10.3433, 0.1887, 0.0813.

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

10.3433, 0.1887, 0.0813

Protanopia

10.6899, 0.1752, 0.1506

Deuteranopia

10.4740, 0.1867, 0.1922



Tritanopia

10.6167, 0.2497, 0.3082

Trichromacy



Original Color

10.3433, 0.1887, 0.0813

Protanomaly

8.0305, 0.1667, 0.0958

Deuteranomaly

7.4886, 0.1711, 0.1067

Tritanomaly

7.4850, 0.2103, 0.1436

Monochromacy



Original Color

10.3433, 0.1887, 0.0813

Achromatopsia

4.8172, 0.3127, 0.3290

Achromatomaly

4.7520, 0.2315, 0.1367

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3433, 0.1887, 0.0813 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(110, 0, 252)` looks like.

```
.text, #text, p{  
    color:rgb(110, 0, 252)  
}
```

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(110, 0, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 0, 252) }
```

Border

The CSS property to change the border of an element to Yxy 10.3433, 0.1887, 0.0813 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(110, 0, 252) }
```

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

```
.border{ border-color:rgb(110, 0, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 0, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 0, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 0, 252);  
box-shadow:4px 4px 4px 4px rgb(110, 0,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 10.3433, 0.1887, 0.0813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 0, 252) }
```

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

```
.background{ background-color: rgb(110, 0,  
252) }
```

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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