

Converting Colors

$Y_{xy}(10.1406, 0.1836, 0.0785)$

Have a look what the booklet for
Yxy(10.1406, 0.1836, 0.0785)
contains.

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Color

Yxy(10.1631, 0.1838, 0.0786)

Conversions

Conversions Part 1

Format	Color
Hex	6800FF
RGB	104, 0, 255
RGB Percent	41%, 0%, 100%
CMY	0.5922, 1.0000, 0.0000
CMYK	0.59, 1.00, 0.00, 0.00
HSL	264°, 100%, 50%
HSV	264°, 100%, 100%
XYZ	23.7656, 10.1631, 95.3728
YIQ	60.1660, -19.8710, 101.3530

Conversions

Conversions Part 2

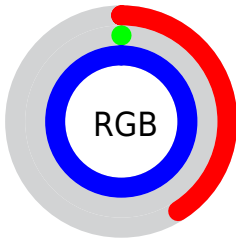
Format	Color
RYB	104, 0, 255
Decimal	6815999
CIELab	38.13, 81.66, -98.03
CIElCh	38, 127.585, 309.797
Yxy	10.1631, 0.1838, 0.0786
Android (android.graphics.Color)	4285006079 (0xFF6800FF)
YUV	60.1660, 96.0532, 38.4424
Hunter-Lab	31.8796, 77.2789, -155.0595

Details

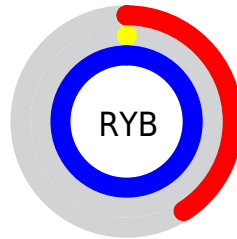
The Yxy color **10.1631, 0.1838, 0.0786** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **78.1006, 0.3487, 0.5613**, and the grayscale version is **4.4089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **21.4699, 0.2415, 0.1377**, and **3.9855, 0.1500, 0.0600** is the 20% darker color. If you saturate the color by 10%, you get **10.1622, 0.1838, 0.0786**, and if you desaturate by 10%, it is **11.8650, 0.1951, 0.0889**.

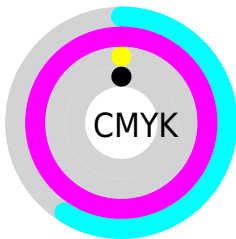
Distribution



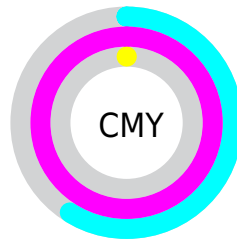
- Red (41%)
- Green (0%)
- Blue (100%)



- Red (41%)
- Yellow (0%)
- Blue (100%)



- Cyan (59%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (59%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1631, 0.1838, 0.0786 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 10.1631, 0.1838, 0.0786 by changing the saturation by 10% instead.


 10.1631, 0.1838,
0.0786


 10.1631, 0.1838,
0.0786


191.8322, 0.2583,
0.1876


 5.5072, 0.1650,
0.0594


 26.1018, 0.2117,
0.1125


 2.5478, 0.1418,
0.0397


 38.1535, 0.2221,
0.1270


 0.9005, 0.1137,
0.0210

 53.4392, 0.2307,
0.1400

 0.0000, 0.0812,
0.0000

 72.3433, 0.2380,
0.1517

 0.0000, 0.0450,
0.0000

 95.2503, 0.2443,
0.1621

 0.0000, 0.0000,
0.0000

 122.5445, 0.2496,

0.1715

154.6103, 0.2543,
0.1800

■ 10.1631, 0.1838,
0.0786

■ 10.1631, 0.1838,
0.0786

■ 10.1622, 0.1838,
0.0786

■ 11.8650, 0.1951,
0.0889

■ 14.6715, 0.2083,
0.1050

■ 18.8750, 0.2230,
0.1271

■ 24.6570, 0.2384,
0.1539

■ 32.1708, 0.2537,
0.1838

■ 41.5506, 0.2682,
0.2150

■ 52.9172, 0.2815,
0.2460

■ 66.3807, 0.2934,
0.2758

■ 82.0433, 0.3038,
0.3036

Harmonies

Analogous

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



10.1631, 0.0761, 0.0613



10.1631, 0.1838, 0.0786



10.1631, 0.4240, 0.1288

Triad

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



10.1631, 0.1838, 0.0786



10.1631, 0.6149, 0.3851



10.1631, 0.0298, 0.3193

Complementary

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



10.1631, 0.1838, 0.0786



78.1006, 0.3487, 0.5613

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.



10.1631, 0.0864, 0.7875



10.1631, 0.1838, 0.0786



10.1631, 0.4149, 0.5851

Square

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



10.1631, 0.1838, 0.0786



10.1631, 0.7313, 0.2687



10.1631, 0.2070, 0.7930



10.1631, 0.0222, 0.1196

Rectangle

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



10.1631, 0.1838, 0.0786



10.1631, 0.6256, 0.1779



10.1631, 0.2070, 0.7930



10.1631, 0.0409, 0.4626

Sweetspot

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



10.1622, 0.1838, 0.0786



52.9172, 0.2815, 0.2460



30.0025, 0.1860, 0.1895



10.2473, 0.2761, 0.2330



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.



10.1622, 0.1838, 0.0786



23.9604, 0.2954, 0.1401



17.7393, 0.3043, 0.3049



5.3919, 0.1855, 0.0796



0.5869, 0.1981, 0.0865

Inverse Universe

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



23.4948, 0.4606, 0.2311



71.7331, 0.3018, 0.5985



18.1676, 0.3201, 0.3150



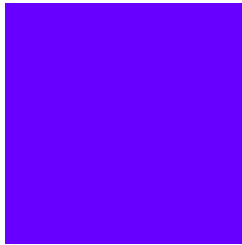
12.3069, 0.4576, 0.2295



1.2200, 0.4377, 0.2185

Previews

White Background



This preview shows how the Yxy color 10.1631, 0.1838, 0.0786 looks on a white background.

Color Contrast Check

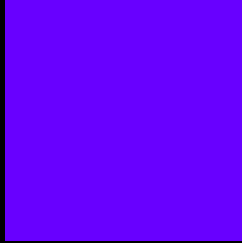
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.1631, 0.1838, 0.0786 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 10.1631, 0.1838, 0.0786

Background



This preview shows how black text looks on a background with the Yxy color 10.1631, 0.1838, 0.0786.



This preview shows how white text looks on a background with the Yxy color 10.1631, 0.1838, 0.0786.

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

10.1631, 0.1838, 0.0786

Protanopia

10.4401, 0.1752, 0.1506

Deuteranopia

10.4397, 0.1871, 0.1937



Tritanopia

10.3785, 0.2334, 0.3075

Trichromacy



Original Color

10.1631, 0.1838, 0.0786

Protanomaly

7.8936, 0.1658, 0.0945

Deuteranomaly

7.4940, 0.1701, 0.1058

Tritanomaly

7.1203, 0.1956, 0.1374

Monochromacy



Original Color

10.1631, 0.1838, 0.0786

Achromatopsia

4.5186, 0.3127, 0.3290

Achromatomaly

4.5614, 0.2267, 0.1331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1631, 0.1838, 0.0786 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(104, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(104, 0, 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(104, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 0, 255) }
```

Border

The CSS property to change the border of an element to Yxy 10.1631, 0.1838, 0.0786 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(104, 0, 255) }
```

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

```
.border{ border-color:rgb(104, 0, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 0, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(104, 0,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 10.1631, 0.1838, 0.0786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 0, 255) }
```

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

```
.background{ background-color: rgb(104, 0,  
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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