

Converting Colors

$Y_{xy}(10.0466, 0.1826, 0.0780)$

Have a look what the booklet for
Yxy(10.0466, 0.1826, 0.0780)
contains.

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Color

Yxy(10.0448, 0.1826, 0.0779)

Conversions

Conversions Part 1

Format	Color
Hex	6600FF
RGB	102, 0, 255
RGB Percent	40%, 0%, 100%
CMY	0.5996, 1.0000, 0.0000
CMYK	0.60, 1.00, 0.00, 0.00
HSL	264°, 100%, 50%
HSV	264°, 100%, 100%
XYZ	23.5453, 10.0448, 95.3547
YIQ	59.5680, -21.0630, 100.9290

Conversions

Conversions Part 2

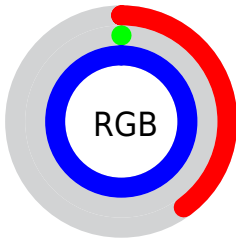
Format	Color
RYB	102, 0, 255
Decimal	6684927
CIELab	37.92, 81.60, -98.38
CIElCh	38, 127.812, 309.673
Yxy	10.0448, 0.1826, 0.0779
Android (android.graphics.Color)	4284875007 (0xFF6600FF)
YUV	59.5680, 96.3480, 37.2129
Hunter-Lab	31.6935, 77.1451, -156.1973

Details

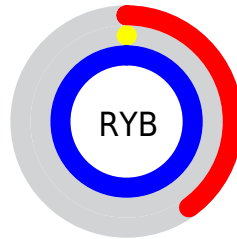
The Yxy color **10.0448, 0.1826, 0.0779** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **78.2819, 0.3499, 0.5604**, and the grayscale version is **4.3279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **21.3580, 0.2406, 0.1373**, and **3.9855, 0.1500, 0.0600** is the 20% darker color. If you saturate the color by 10%, you get **10.0510, 0.1826, 0.0780**, and if you desaturate by 10%, it is **11.7463, 0.1939, 0.0883**.

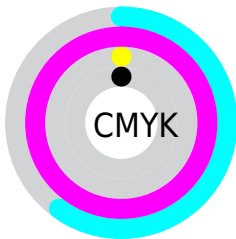
Distribution



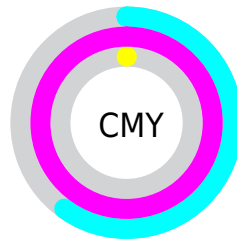
- Red (40%)
- Green (0%)
- Blue (100%)



- Red (40%)
- Yellow (0%)
- Blue (100%)



- Cyan (60%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0448, 0.1826, 0.0779 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 10.0448, 0.1826, 0.0779 by changing the saturation by 10% instead.


 10.0448, 0.1826,
0.0779


 10.0448, 0.1826,
0.0779

190.9915, 0.2578,
0.1872


 5.4287, 0.1637,
0.0588


 25.8797, 0.2107,
0.1118


 2.5009, 0.1404,
0.0391


 37.8673, 0.2212,
0.1264


 0.8771, 0.1122,
0.0205

 53.0809, 0.2299,
0.1394

 0.0000, 0.0797,
0.0000

 71.9047, 0.2373,
0.1511

 0.0000, 0.0436,
0.0000

 94.7233, 0.2436,
0.1616

 0.0000, 0.0000,
0.0000

 121.9211, 0.2490,

0.1710

153.8823, 0.2537,
0.1795

■ 10.0448, 0.1826,
0.0779

■ 10.0448, 0.1826,
0.0779

■ 10.0510, 0.1826,
0.0780

■ 11.7463, 0.1939,
0.0883

■ 14.5486, 0.2072,
0.1044

■ 18.7516, 0.2220,
0.1266

■ 24.5372, 0.2375,
0.1535

■ 32.0588, 0.2529,
0.1835

■ 41.4510, 0.2676,
0.2148

■ 52.8347, 0.2811,
0.2459

■ 66.3204, 0.2932,
0.2757

■ 82.0104, 0.3037,
0.3036

Harmonies

Analogous

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



10.0448, 0.0753, 0.0607



10.0448, 0.1826, 0.0779



10.0448, 0.4231, 0.1278

Triad

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



10.0448, 0.1826, 0.0779



10.0448, 0.6162, 0.3838



10.0448, 0.0292, 0.3203

Complementary

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



10.0448, 0.1826, 0.0779



78.2819, 0.3499, 0.5604

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.



10.0448, 0.0855, 0.7916



10.0448, 0.1826, 0.0779



10.0448, 0.4154, 0.5846

Square

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



10.0448, 0.1826, 0.0779



10.0448, 0.7326, 0.2674



10.0448, 0.2062, 0.7938



10.0448, 0.0217, 0.1192

Rectangle

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



10.0448, 0.1826, 0.0779



10.0448, 0.6259, 0.1769



10.0448, 0.2062, 0.7938



10.0448, 0.0403, 0.4651

Sweetspot

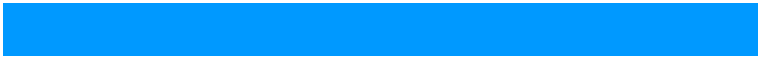
The Sweet Spot groups the original color and five complimentary colors.



10.0510, 0.1826, 0.0780



52.8347, 0.2811, 0.2459



30.0025, 0.1860, 0.1895



10.2280, 0.2756, 0.2329



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.



10.0510, 0.1826, 0.0780



23.9604, 0.2954, 0.1401



17.7326, 0.3042, 0.3049



5.3330, 0.1843, 0.0789



0.5808, 0.1969, 0.0858

Inverse Universe

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



23.5564, 0.4575, 0.2294



71.7331, 0.3018, 0.5985



18.1700, 0.3200, 0.3148



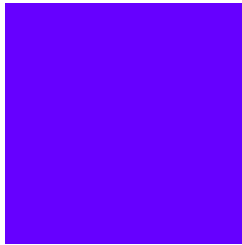
12.3390, 0.4546, 0.2278



1.2230, 0.4351, 0.2171

Previews

White Background



This preview shows how the Yxy color 10.0448, 0.1826, 0.0779 looks on a white background.

Color Contrast Check

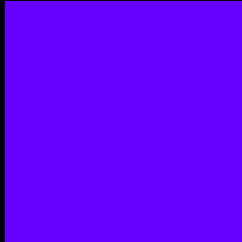
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.0448, 0.1826, 0.0779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

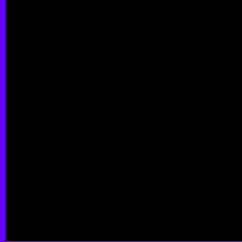
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0448, 0.1826, 0.0779

Background



This preview shows how black text looks on a background with the Yxy color 10.0448, 0.1826, 0.0779.



This preview shows how white text looks on a background with the Yxy color 10.0448, 0.1826, 0.0779.

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

10.0448, 0.1826, 0.0779

Protanopia

10.2353, 0.1750, 0.1498

Deuteranopia

10.2290, 0.1869, 0.1928



Tritanopia

10.2612, 0.2291, 0.3072

Trichromacy



Original Color

10.0448, 0.1826, 0.0779

Protanomaly

7.7291, 0.1654, 0.0937

Deuteranomaly

7.3270, 0.1696, 0.1049

Tritanomaly

6.9690, 0.1916, 0.1357

Monochromacy



Original Color

10.0448, 0.1826, 0.0779

Achromatopsia

4.5186, 0.3127, 0.3290

Achromatomaly

4.5208, 0.2252, 0.1324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0448, 0.1826, 0.0779 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(102, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 0, 255) }
```

Border

The CSS property to change the border of an element to Yxy 10.0448, 0.1826, 0.0779 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(102, 0, 255) }
```

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

```
.border{ border-color:rgb(102, 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(102, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 0,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 10.0448, 0.1826, 0.0779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 0, 255) }
```

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

```
.background{ background-color: rgb(102, 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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