

Converting Colors

$Y_{xy}(10.1266, 0.1834, 0.0784)$

Have a look what the booklet for
Yxy(10.1266, 0.1834, 0.0784)
contains.

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Color

Yxy(10.1036, 0.1832, 0.0783)

Conversions

Conversions Part 1

Format	Color
Hex	6700FF
RGB	103, 0, 255
RGB Percent	40%, 0%, 100%
CMY	0.5961, 0.9997, 0.0001
CMYK	0.60, 1.00, 0.00, 0.00
HSL	264°, 100%, 50%
HSV	264°, 100%, 100%
XYZ	23.6396, 10.1036, 95.2939
YIQ	59.8670, -20.4670, 101.1410

Conversions

Conversions Part 2

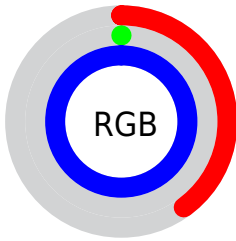
Format	Color
R _Y B	103, 0, 255
Decimal	6750463
CIE Lab	38.03, 81.56, -98.16
CIE LCh	38, 127.620, 309.724
Yxy	10.1036, 0.1832, 0.0783
Android (android.graphics.Color)	4284940543 (0xFF6700FF)
YUV	59.8670, 96.2006, 37.8276
Hunter-Lab	31.7862, 77.1259, -155.4991

Details

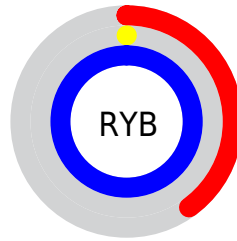
The Yxy color **10.1036, 0.1832, 0.0783** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **78.1891, 0.3494, 0.5608**, and the grayscale version is **4.3731, 0.3127, 0.3290**.

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 **10.0988, 0.1832, 0.0783**, and if you desaturate by 10%, it is **11.8046, 0.1945, 0.0886**.

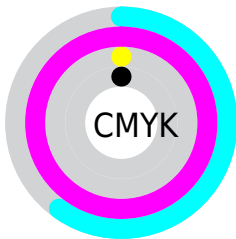
Distribution



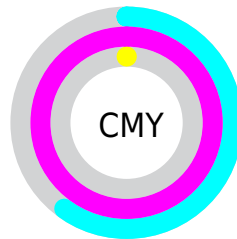
- Red (40%)
- Green (0%)
- Blue (100%)



- 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 10.1036, 0.1832, 0.0783 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 10.1036, 0.1832, 0.0783 by changing the saturation by 10% instead.


 10.1036, 0.1832,
0.0783

 10.1036, 0.1832,
0.0783


191.4099, 0.2581,
0.1875


 5.4677, 0.1643,
0.0591


 25.9902, 0.2112,
0.1122


 2.5242, 0.1411,
0.0394


 38.0097, 0.2216,
0.1268


 0.8887, 0.1129,
0.0208

 53.2591, 0.2303,
0.1398


 0.0000, 0.0804,
0.0000

 72.1229, 0.2377,
0.1515

 0.0000, 0.0442,
0.0000

 94.9855, 0.2439,
0.1619

 0.0000, 0.0000,
0.0000

 122.2313, 0.2493,

0.1713

154.2446, 0.2540,
0.1798

■ 10.1036, 0.1832,
0.0783

■ 10.1036, 0.1832,
0.0783

■ 10.0988, 0.1832,
0.0783

■ 11.8046, 0.1945,
0.0886

■ 14.6128, 0.2077,
0.1048

■ 18.8203, 0.2225,
0.1269

■ 24.6090, 0.2379,
0.1538

■ 32.1318, 0.2533,
0.1837

■ 41.5233, 0.2679,
0.2150

■ 52.9041, 0.2814,
0.2461

■ 66.3847, 0.2933,
0.2758

■ 82.0670, 0.3038,
0.3036

Harmonies

Analogous

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



10.1036, 0.0757, 0.0611



10.1036, 0.1832, 0.0783



10.1036, 0.4234, 0.1283

Triad

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



10.1036, 0.1832, 0.0783



10.1036, 0.6156, 0.3844



10.1036, 0.0296, 0.3199

Complementary

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



10.1036, 0.1832, 0.0783



78.1891, 0.3494, 0.5608

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.



10.1036, 0.0861, 0.7894



10.1036, 0.1832, 0.0783



10.1036, 0.4153, 0.5847

Square

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



10.1036, 0.1832, 0.0783



10.1036, 0.7319, 0.2681



10.1036, 0.2068, 0.7932



10.1036, 0.0220, 0.1195

Rectangle

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



10.1036, 0.1832, 0.0783



10.1036, 0.6256, 0.1774



10.1036, 0.2068, 0.7932



10.1036, 0.0407, 0.4640

Sweetspot

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



10.1037, 0.1832, 0.0783



52.8717, 0.2813, 0.2459



30.0089, 0.1860, 0.1896



10.2366, 0.2758, 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.



10.1037, 0.1832, 0.0783



10.1007, 0.1832, 0.0783



23.9592, 0.2954, 0.1401



17.7357, 0.3042, 0.3049



5.3593, 0.1848, 0.0792



0.5835, 0.1974, 0.0861

Inverse Universe

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



23.5272, 0.4588, 0.2301



23.5286, 0.4589, 0.2301



71.7208, 0.3018, 0.5985



18.1689, 0.3200, 0.3149



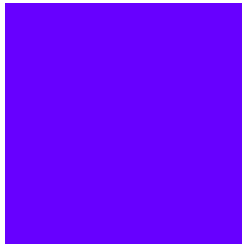
12.3246, 0.4560, 0.2285



1.2216, 0.4363, 0.2177

Previews

White Background



This preview shows how the Yxy color 10.1036, 0.1832, 0.0783 looks on a white background.

Color Contrast Check

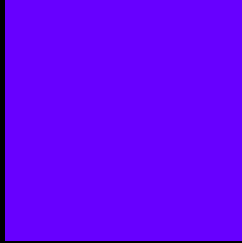
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.1036, 0.1832, 0.0783 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 10.1036, 0.1832, 0.0783

Background



This preview shows how black text looks on a background with the Yxy color 10.1036, 0.1832, 0.0783.



This preview shows how white text looks on a background with the Yxy color 10.1036, 0.1832, 0.0783.

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

10.1036, 0.1832, 0.0783

Protanopia

10.2353, 0.1750, 0.1498

Deuteranopia

10.2290, 0.1869, 0.1928



Tritanopia

10.3253, 0.2315, 0.3074

Trichromacy



Original Color

10.1036, 0.1832, 0.0783

Protanomaly

7.7291, 0.1654, 0.0937

Deuteranomaly

7.3270, 0.1696, 0.1049

Tritanomaly

7.0580, 0.1940, 0.1367

Monochromacy



Original Color

10.1036, 0.1832, 0.0783

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 10.1036, 0.1832, 0.0783 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(103, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(103, 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(103, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 0, 255) }
```

Border

The CSS property to change the border of an element to Yxy 10.1036, 0.1832, 0.0783 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(103, 0, 255) }
```

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

```
.border{ border-color:rgb(103, 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(103, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(103, 0,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 10.1036, 0.1832, 0.0783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 0, 255) }
```

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

```
.background{ background-color: rgb(103, 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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