

Converting Colors

$Y_{xy}(10.4270, 0.1866, 0.0802)$

Have a look what the booklet for
Yxy(10.4270, 0.1866, 0.0802)
contains.

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Color

Yxy(10.4081, 0.1864, 0.0801)

Conversions

Conversions Part 1

Format	Color
Hex	6C00FF
RGB	108, 0, 255
RGB Percent	42%, 0%, 100%
CMY	0.5768, 0.9985, 0.0001
CMYK	0.58, 1.00, 0.00, 0.00
HSL	265°, 100%, 50%
HSV	265°, 100%, 100%
XYZ	24.2206, 10.4081, 95.3101
YIQ	61.3620, -17.4870, 102.2010

Conversions

Conversions Part 2

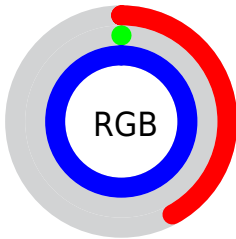
Format	Color
R_{YB}	108, 0, 255
Decimal	7078143
CIE _{Lab}	38.57, 81.80, -97.24
CIE _{LCh}	39, 127.071, 310.071
Yxy	10.4081, 0.1864, 0.0801
Android (android.graphics.Color)	4285268223 (0xFF6C00FF)
YUV	61.3620, 95.4635, 40.9015
Hunter-Lab	32.2616, 77.5523, -152.5768

Details

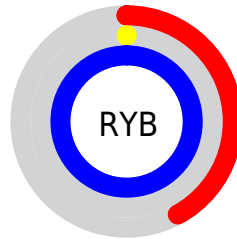
The Yxy color **10.4081, 0.1864, 0.0801** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **77.7421, 0.3466, 0.5629**, and the grayscale version is **4.6133, 0.3127, 0.3290**.

A 20% lighter version of the original color is **22.0713, 0.2451, 0.1401**, and **3.9984, 0.1503, 0.0602** is the 20% darker color. If you saturate the color by 10%, you get **10.3862, 0.1862, 0.0800**, and if you desaturate by 10%, it is **12.1351, 0.1977, 0.0904**.

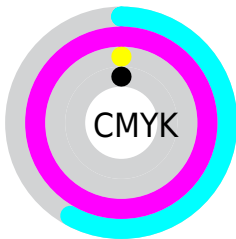
Distribution



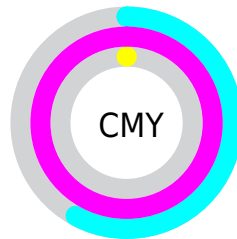
- Red (42%)
- Green (0%)
- Blue (100%)



- Red (42%)
- Yellow (0%)
- Blue (100%)



- Cyan (58%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (58%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.4081, 0.1864, 0.0801 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 10.4081, 0.1864, 0.0801 by changing the saturation by 10% instead.

 10.4081, 0.1864,
0.0801


 10.4081, 0.1864,
0.0801


193.5605, 0.2596,
0.1886


 5.6704, 0.1678,
0.0609


 26.5603, 0.2138,
0.1139


 2.6457, 0.1449,
0.0410


 38.7436, 0.2240,
0.1284


 0.9497, 0.1169,
0.0221

 54.1775, 0.2325,
0.1413

 0.0000, 0.0844,
0.0000

 73.2465, 0.2397,
0.1529

 0.0000, 0.0478,
0.0000

 96.3348, 0.2458,
0.1633

 0.0000, 0.0000,
0.0000

 123.8270, 0.2511,

0.1726

156.1074, 0.2556,
0.1810

■ 10.4081, 0.1864,
0.0801

■ 10.4081, 0.1864,
0.0801

■ 10.3862, 0.1862,
0.0800

■ 12.1351, 0.1977,
0.0904

■ 14.9671, 0.2108,
0.1065

■ 19.1914, 0.2253,
0.1285

■ 24.9883, 0.2404,
0.1551

■ 32.5101, 0.2554,
0.1848

■ 41.8905, 0.2696,
0.2158

■ 53.2492, 0.2826,
0.2466

■ 66.6961, 0.2941,
0.2763

■ 82.3326, 0.3042,
0.3040

Harmonies

Analogous

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



10.4081, 0.0778, 0.0624



10.4081, 0.1864, 0.0801



10.4081, 0.4260, 0.1307

Triad

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



10.4081, 0.1864, 0.0801



10.4081, 0.6121, 0.3879



10.4081, 0.0309, 0.3170

Complementary

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



10.4081, 0.1864, 0.0801



77.7421, 0.3466, 0.5629

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.



10.4081, 0.0882, 0.7786



10.4081, 0.1864, 0.0801



10.4081, 0.4137, 0.5863

Square

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



10.4081, 0.1864, 0.0801



10.4081, 0.7286, 0.2714



10.4081, 0.2087, 0.7913



10.4081, 0.0231, 0.1204

Rectangle

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



10.4081, 0.1864, 0.0801



10.4081, 0.6251, 0.1800



10.4081, 0.2087, 0.7913



10.4081, 0.0422, 0.4573

Sweetspot

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



10.4083, 0.1864, 0.0801



53.0810, 0.2824, 0.2462



28.6797, 0.1844, 0.1838



10.2857, 0.2770, 0.2333



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.



10.4083, 0.1864, 0.0801



10.3894, 0.1862, 0.0800



24.6760, 0.2997, 0.1425



17.7526, 0.3045, 0.3049



5.5121, 0.1879, 0.0809



0.5993, 0.2005, 0.0878

Inverse Universe

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



23.3820, 0.4664, 0.2344



23.3760, 0.4667, 0.2345



71.6644, 0.3014, 0.5988



18.1630, 0.3203, 0.3154



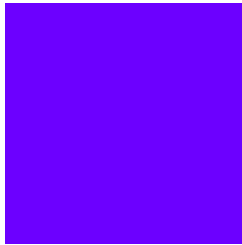
12.2450, 0.4637, 0.2328



1.2141, 0.4429, 0.2213

Previews

White Background



This preview shows how the Yxy color 10.4081, 0.1864, 0.0801 looks on a white background.

Color Contrast Check

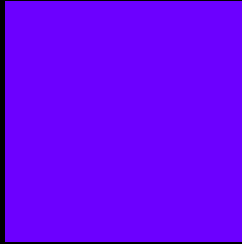
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.4081, 0.1864, 0.0801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

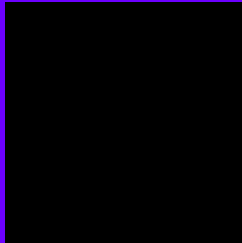
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 10.4081, 0.1864, 0.0801

Background



This preview shows how black text looks on a background with the Yxy color 10.4081, 0.1864, 0.0801.



This preview shows how white text looks on a background with the Yxy color 10.4081, 0.1864, 0.0801.

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

10.4081, 0.1864, 0.0801

Protanopia

10.6899, 0.1752, 0.1506

Deuteranopia

10.6876, 0.1870, 0.1931



Tritanopia

10.6382, 0.2427, 0.3080

Trichromacy



Original Color

10.4081, 0.1864, 0.0801

Protanomaly

8.0607, 0.1662, 0.0953

Deuteranomaly

7.6639, 0.1706, 0.1068

Tritanomaly

7.4303, 0.2035, 0.1409

Monochromacy



Original Color

10.4081, 0.1864, 0.0801

Achromatopsia

4.8172, 0.3127, 0.3290

Achromatomaly

4.8458, 0.2306, 0.1372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4081, 0.1864, 0.0801 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(108, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(108, 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(108, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 0, 255) }
```

Border

The CSS property to change the border of an element to Yxy 10.4081, 0.1864, 0.0801 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(108, 0, 255) }
```

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

```
.border{ border-color:rgb(108, 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(108, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(108, 0,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 10.4081, 0.1864, 0.0801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 0, 255) }
```

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

```
.background{ background-color: rgb(108, 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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