

Converting Colors

$Yxy(11.7464, 0.2002, 0.0876)$

Have a look what the booklet for
Yxy(11.7464, 0.2002, 0.0876)
contains.

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Color

Yxy(11.7320, 0.2000, 0.0876)

Conversions

Conversions Part 1

Format	Color
Hex	7F00FF
RGB	127, 0, 255
RGB Percent	50%, 0%, 100%
CMY	0.5023, 0.9982, 0.0002
CMYK	0.50, 1.00, 0.00, 0.00
HSL	270°, 100%, 50%
HSV	270°, 100%, 100%
XYZ	26.7854, 11.7320, 95.4096
YIQ	67.0430, -6.1630, 106.2290

Conversions

Conversions Part 2

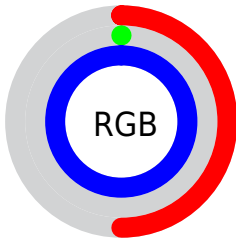
Format	Color
R_{YB}	127, 0, 255
Decimal	8323327
CIE _{Lab}	40.79, 83.04, -93.48
CIE _{LCh}	41, 125.033, 311.616
Yxy	11.7320, 0.2000, 0.0876
Android (android.graphics.Color)	4286513407 (0xFF7F00FF)
YUV	67.0430, 92.6628, 52.5823
Hunter-Lab	34.2520, 79.6476, -141.1769

Details

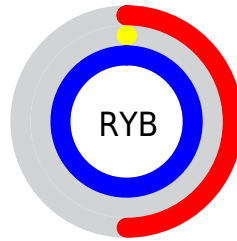
The Yxy color **11.7320, 0.2000, 0.0876** is a dark color, and the websafe version is hex **6600FF**, and the color name is **violet (color wheel)**. The color can be described as dark saturated purple. A complement of this color would be **76.1092, 0.3358, 0.5715**, and the grayscale version is **5.5124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **24.4829, 0.2596, 0.1491**, and **4.8155, 0.1668, 0.0692** is the 20% darker color. If you saturate the color by 10%, you get **11.7044, 0.1998, 0.0874**, and if you desaturate by 10%, it is **13.5065, 0.2110, 0.0977**.

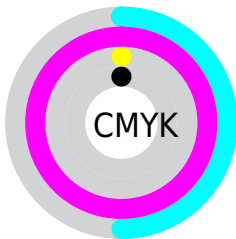
Distribution



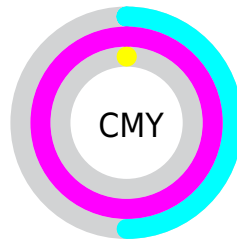
- Red (50%)
- Green (0%)
- Blue (100%)



- Red (50%)
- Yellow (0%)
- Blue (100%)



- Cyan (50%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7320, 0.2000, 0.0876 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 11.7320, 0.2000, 0.0876 by changing the saturation by 10% instead.


 11.7320, 0.2000,
0.0876


 11.7320, 0.2000,
0.0876


 202.6229, 0.2661,
0.1934


 6.5615, 0.1828,
0.0684


 29.0060, 0.2250,
0.1210


 3.1894, 0.1613,
0.0480


 41.8784, 0.2342,
0.1351

 1.2314, 0.1344,
0.0278


 58.0867, 0.2419,
0.1476

 0.0871, 0.1022,
0.0031

 78.0155, 0.2483,
0.1589

 0.0000, 0.0637,
0.0000

 102.0491, 0.2538,
0.1689

 0.0000, 0.0006,
0.0000

 130.5719, 0.2585,

 0.0000, 0.0000,

0.1779

0.0000

163.9684, 0.2625,
0.1860

■ 11.7320, 0.2000,
0.0876

■ 11.7320, 0.2000,
0.0876

■ 11.7044, 0.1998,
0.0874

■ 13.5065, 0.2110,
0.0977

■ 16.3541, 0.2233,
0.1130

■ 20.5581, 0.2365,
0.1340

■ 26.2965, 0.2500,
0.1594

■ 33.7192, 0.2632,
0.1878

■ 42.9576, 0.2755,
0.2177

■ 54.1296, 0.2868,
0.2477

■ 67.3430, 0.2968,
0.2768

■ 82.6973, 0.3055,
0.3042

Harmonies

Analogous

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



11.7320, 0.0868, 0.0681



11.7320, 0.2000, 0.0876



11.7320, 0.4372, 0.1405

Triad

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



11.7320, 0.2000, 0.0876



11.7320, 0.5980, 0.4020



11.7320, 0.0361, 0.3047

Complementary

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



11.7320, 0.2000, 0.0876



76.1092, 0.3358, 0.5715

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.



11.7320, 0.0955, 0.7342



11.7320, 0.2000, 0.0876



11.7320, 0.4070, 0.5930

Square

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



11.7320, 0.2000, 0.0876



11.7320, 0.7150, 0.2850



11.7320, 0.2152, 0.7848



11.7320, 0.0277, 0.1235

Rectangle

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



11.7320, 0.2000, 0.0876



11.7320, 0.6239, 0.1904



11.7320, 0.2152, 0.7848



11.7320, 0.0480, 0.4306

Sweetspot

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



11.7322, 0.2000, 0.0876



53.9378, 0.2866, 0.2472



23.7060, 0.1779, 0.1605



10.4874, 0.2820, 0.2346



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.



11.7322, 0.2000, 0.0876



11.7106, 0.1998, 0.0874



27.6795, 0.3167, 0.1519



17.8211, 0.3057, 0.3050



6.2076, 0.2015, 0.0884



0.6693, 0.2138, 0.0951

Inverse Universe

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



22.8298, 0.4984, 0.2520



22.8259, 0.4988, 0.2521



71.5131, 0.3002, 0.5997



18.1395, 0.3215, 0.3171



11.9572, 0.4951, 0.2501



1.1863, 0.4699, 0.2362

Previews

White Background



This preview shows how the Yxy color 11.7320, 0.2000, 0.0876 looks on a white background.

Color Contrast Check

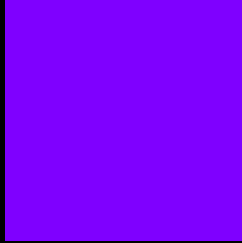
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.7320, 0.2000, 0.0876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

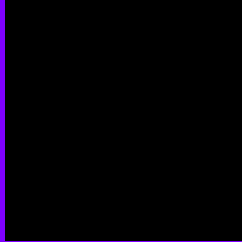
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7320, 0.2000, 0.0876

Background



This preview shows how black text looks on a background with the Yxy color 11.7320, 0.2000, 0.0876.



This preview shows how white text looks on a background with the Yxy color 11.7320, 0.2000, 0.0876.

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

11.7320, 0.2000, 0.0876

Protanopia

12.0366, 0.1749, 0.1495

Deuteranopia

11.9789, 0.1862, 0.1904



Tritanopia

11.9165, 0.2827, 0.3102

Trichromacy



Original Color

11.7320, 0.2000, 0.0876

Protanomaly

8.8745, 0.1683, 0.0970

Deuteranomaly

8.4178, 0.1730, 0.1088

Tritanomaly

8.8375, 0.2362, 0.1550

Monochromacy



Original Color

11.7320, 0.2000, 0.0876

Achromatopsia

5.6128, 0.3127, 0.3290

Achromatomaly

5.6009, 0.2432, 0.1456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7320, 0.2000, 0.0876 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(127, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 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(127, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 0, 255) }
```

Border

The CSS property to change the border of an element to Yxy 11.7320, 0.2000, 0.0876 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(127, 0, 255) }
```

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

```
.border{ border-color:rgb(127, 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(127, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 0,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7320, 0.2000, 0.0876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 0, 255) }
```

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

```
.background{ background-color: rgb(127, 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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