

Converting Colors

$Y_{xy}(12.4611, 0.2071, 0.0915)$

Have a look what the booklet for
Yxy(12.4611, 0.2071, 0.0915)
contains.

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Color

Yxy(12.4542, 0.2071, 0.0915)

Conversions

Conversions Part 1

Format	Color
Hex	8800FF
RGB	136, 0, 255
RGB Percent	53%, 0%, 100%
CMY	0.4668, 0.9985, 0.0003
CMYK	0.47, 1.00, 0.00, 0.00
HSL	272°, 100%, 50%
HSV	272°, 100%, 100%
XYZ	28.1887, 12.4542, 95.4686
YIQ	69.7340, -0.7990, 108.1370

Conversions

Conversions Part 2

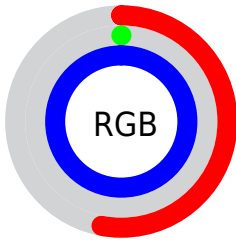
Format	Color
<code>RYB</code>	<code>136, 0, 255</code>
Decimal	<code>8913151</code>
CIELab	<code>41.93, 83.74, -91.55</code>
CIElCh	<code>42, 124.072, 312.451</code>
Yxy	<code>12.4542, 0.2071, 0.0915</code>
Android (<code>android.graphics.Color</code>)	<code>4287103231 (0xFF8800FF)</code>
YUV	<code>69.7340, 91.3361, 58.1153</code>
Hunter-Lab	<code>35.2905, 80.8205, -135.6891</code>

Details

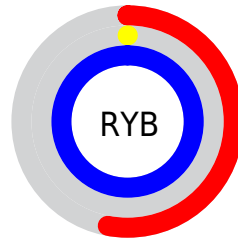
The Yxy color **12.4542, 0.2071, 0.0915** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark saturated purple. A complement of this color would be **75.4249, 0.3310, 0.5753**, and the grayscale version is **5.9603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.7028, 0.2670, 0.1533**, and **5.2245, 0.1750, 0.0738** is the 20% darker color. If you saturate the color by 10%, you get **12.4314, 0.2070, 0.0914**, and if you desaturate by 10%, it is **14.2328, 0.2177, 0.1013**.

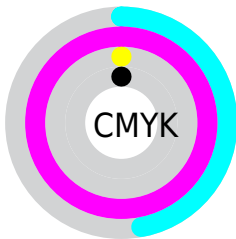
Distribution



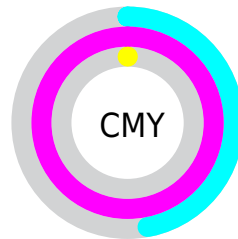
- Red (53%)
- Green (0%)
- Blue (100%)



- Red (53%)
- Yellow (0%)
- Blue (100%)



- Cyan (47%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)




- Cyan (47%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.4542, 0.2071, 0.0915 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 12.4542, 0.2071, 0.0915 by changing the saturation by 10% instead.


 12.4542, 0.2071,
0.0915


 12.4542, 0.2071,
0.0915


207.3895, 0.2694,
0.1957


 7.0538, 0.1907,
0.0723


 30.3197, 0.2308,
0.1246


 3.4958, 0.1700,
0.0517


 43.5536, 0.2395,
0.1385

 1.3957, 0.1438,
0.0310


 60.1674, 0.2467,
0.1508

 0.2136, 0.1119,
0.0075

 80.5455, 0.2528,
0.1619

 0.0000, 0.0729,
0.0000

 105.0724, 0.2579,
0.1717

 0.0000, 0.0152,
0.0000

 134.1324, 0.2623,

 0.0000, 0.0000,

0.1806

0.0000

168.1100, 0.2661,
0.1885

■ 12.4542, 0.2071,
0.0915

■ 12.4542, 0.2071,
0.0915

■ 12.4314, 0.2070,
0.0914

■ 14.2328, 0.2177,
0.1013

■ 17.0671, 0.2295,
0.1162

■ 21.2407, 0.2419,
0.1366

■ 26.9310, 0.2546,
0.1613

■ 34.2870, 0.2669,
0.1891

■ 43.4393, 0.2784,
0.2185

■ 54.5052, 0.2888,
0.2481

■ 67.5916, 0.2980,
0.2769

■ 82.7977, 0.3060,
0.3041

Harmonies

Analogous

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



12.4542, 0.0915, 0.0710



12.4542, 0.2071, 0.0915



12.4542, 0.4428, 0.1456

Triad

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



12.4542, 0.2071, 0.0915



12.4542, 0.5910, 0.4090



12.4542, 0.0387, 0.2986

Complementary

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



12.4542, 0.2071, 0.0915



75.4249, 0.3310, 0.5753

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.



12.4542, 0.0986, 0.7118



12.4542, 0.2071, 0.0915



12.4542, 0.4035, 0.5965

Square

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



12.4542, 0.2071, 0.0915



12.4542, 0.7081, 0.2919



12.4542, 0.2182, 0.7818



12.4542, 0.0302, 0.1249

Rectangle

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



12.4542, 0.2071, 0.0915



12.4542, 0.6234, 0.1957



12.4542, 0.2182, 0.7818



12.4542, 0.0507, 0.4179

Sweetspot

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



12.4545, 0.2071, 0.0915



54.3582, 0.2887, 0.2477



21.4868, 0.1748, 0.1492



10.5868, 0.2844, 0.2352



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.



12.4545, 0.2071, 0.0915



12.4388, 0.2070, 0.0914



28.2009, 0.3252, 0.1565



17.8540, 0.3063, 0.3050



6.5893, 0.2086, 0.0923



0.7066, 0.2205, 0.0988

Inverse Universe

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



22.5959, 0.5138, 0.2605



22.5964, 0.5142, 0.2606



71.4895, 0.2998, 0.5992



18.1284, 0.3220, 0.3179



11.8366, 0.5103, 0.2585



1.1743, 0.4831, 0.2435

Previews

White Background



This preview shows how the Yxy color 12.4542, 0.2071, 0.0915 looks on a white background.

Color Contrast Check

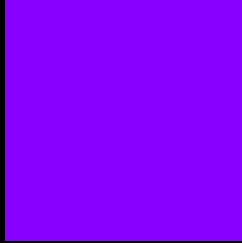
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4542, 0.2071, 0.0915 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 12.4542, 0.2071, 0.0915

Background



This preview shows how black text looks on a background with the Yxy color 12.4542, 0.2071, 0.0915.



This preview shows how white text looks on a background with the Yxy color 12.4542, 0.2071, 0.0915.

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

12.4542, 0.2071, 0.0915

Protanopia

12.8612, 0.1748, 0.1494

Deuteranopia

12.7565, 0.1862, 0.1901



Tritanopia

12.6379, 0.3020, 0.3113

Trichromacy



Original Color

12.4542, 0.2071, 0.0915



Protanomaly

9.3721, 0.1692, 0.0980



Deuteranomaly

8.8612, 0.1742, 0.1103



Tritanomaly

9.5730, 0.2514, 0.1616

Monochromacy



Original Color

12.4542, 0.2071, 0.0915



Achromatopsia

6.1246, 0.3127, 0.3290



Achromatomaly

6.0626, 0.2490, 0.1499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4542, 0.2071, 0.0915 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(136, 0, 255)` looks like.

```
.text, #text, p{  
  color:rgb(136, 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(136, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 0, 255) }
```

Border

The CSS property to change the border of an element to Yxy 12.4542, 0.2071, 0.0915 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(136, 0, 255) }
```

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

```
.border{ border-color:rgb(136, 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(136, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(136, 0,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4542, 0.2071, 0.0915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 0, 255) }
```

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

```
.background{ background-color: rgb(136, 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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