

Converting Colors

$Yxy(12.2035, 0.2413, 0.1103)$

Have a look what the booklet for
Yxy(12.2035, 0.2413, 0.1103)
contains.

Yxy(12.1541, 0.2413, 0.1103)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	29

Color

Yxy(12.1541, 0.2413, 0.1103)

Conversions

Conversions Part 1

Format	Color
Hex	9900E0
RGB	153, 0, 224
RGB Percent	60%, 0%, 88%
CMY	0.4000, 0.9998, 0.1217
CMYK	0.32, 1.00, 0.00, 0.12
HSL	281°, 100%, 44%
HSV	281°, 100%, 88%
XYZ	26.5892, 12.1541, 71.4480
YIQ	71.2830, 19.2840, 102.1000

Conversions

Conversions Part 2

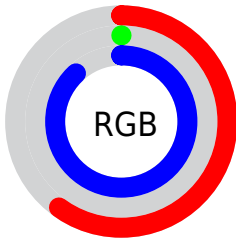
Format	Color
RYB	153, 0, 224
Decimal	10027232
CIELab	41.46, 79.34, -74.73
CIELCh	41, 108.988, 316.713
Yxy	12.1541, 0.2413, 0.1103
Android (android.graphics.Color)	4288217312 (0xFF9900E0)
YUV	71.2830, 75.2895, 71.6658
Hunter-Lab	34.8627, 75.1289, -97.1056

Details

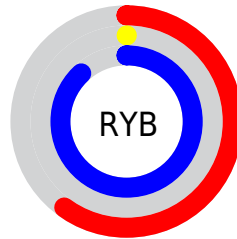
The Yxy color **12.1541, 0.2413, 0.1103** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **54.6387, 0.3149, 0.5882**, and the grayscale version is **6.2246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.7068, 0.2800, 0.1595**, and **5.1172, 0.2146, 0.0956** is the 20% darker color. If you saturate the color by 10%, you get **12.1519, 0.2413, 0.1103**, and if you desaturate by 10%, it is **13.4560, 0.2494, 0.1187**.

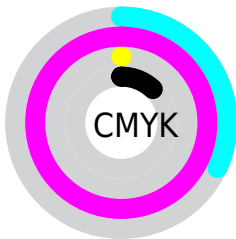
Distribution



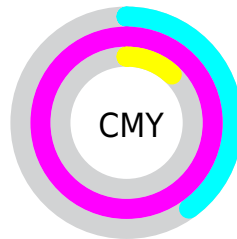
- Red (60%)
- Green (0%)
- Blue (88%)



- Red (60%)
- Yellow (0%)
- Blue (88%)



- Cyan (32%)
- Magenta (100%)
- Yellow (0%)
- Black (12%)





- Cyan (40%)
- Magenta (100%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1541, 0.2413, 0.1103 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 12.1541, 0.2413, 0.1103 by changing the saturation by 10% instead.


 12.1541, 0.2413,
0.1103


 12.1541, 0.2413,
0.1103


205.4228, 0.2871,
0.2123


 6.8487, 0.2275,
0.0896


 29.7755, 0.2599,
0.1443


 3.3677, 0.2091,
0.0663


 42.8602, 0.2664,
0.1580

 1.3266, 0.1838,
0.0415

 59.3069, 0.2716,
0.1701

 0.1616, 0.1506,
0.0087

 79.4999, 0.2759,
0.1806

 0.0000, 0.1033,
0.0000

 103.8236, 0.2794,
0.1899

 0.0000, 0.0000,
0.0000

 132.6624, 0.2824,

0.1982

166.4006, 0.2849,
0.2056

■ 12.1541, 0.2413,
0.1103

■ 12.1541, 0.2413,
0.1103

■ 12.1519, 0.2413,
0.1103

■ 13.4560, 0.2494,
0.1187

■ 15.4831, 0.2579,
0.1315

■ 18.4571, 0.2666,
0.1491

■ 22.5045, 0.2751,
0.1709

■ 27.7320, 0.2833,
0.1959

■ 34.2332, 0.2908,
0.2227

■ 42.0918, 0.2976,
0.2504

■ 51.3847, 0.3035,
0.2778

■ 62.1826, 0.3085,
0.3042

Harmonies

Analogous

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



12.1541, 0.1153, 0.0848



12.1541, 0.2413, 0.1103



12.1541, 0.4685, 0.1692

Triad

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



12.1541, 0.2413, 0.1103



12.1541, 0.5593, 0.4407



12.1541, 0.0502, 0.2726

Complementary

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



12.1541, 0.2413, 0.1103



54.6387, 0.3149, 0.5882

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.



12.1541, 0.1089, 0.6128



12.1541, 0.2413, 0.1103



12.1541, 0.3878, 0.6122

Square

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



12.1541, 0.2413, 0.1103



12.1541, 0.6771, 0.3229



12.1541, 0.2298, 0.7702



12.1541, 0.0421, 0.1302

Rectangle

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



12.1541, 0.2413, 0.1103



12.1541, 0.6211, 0.2202



12.1541, 0.2298, 0.7702



12.1541, 0.0620, 0.3656

Sweetspot

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



12.1545, 0.2413, 0.1103



56.2083, 0.2974, 0.2497



10.3713, 0.1628, 0.1058



11.0274, 0.2947, 0.2380



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.



12.1545, 0.2413, 0.1103



16.2396, 0.2407, 0.1100



19.4176, 0.3688, 0.1805



13.7065, 0.3087, 0.3055



7.1390, 0.2425, 0.1109



0.5420, 0.2548, 0.1178

Inverse Universe

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



16.2997, 0.5732, 0.2931



21.8514, 0.5751, 0.2942



53.4345, 0.2963, 0.5866



13.7718, 0.3242, 0.3216



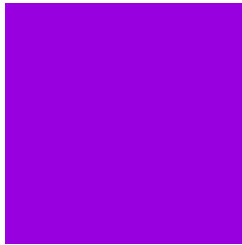
9.5075, 0.5693, 0.2910



0.6749, 0.5254, 0.2668

Previews

White Background



This preview shows how the Yxy color 12.1541, 0.2413, 0.1103 looks on a white background.

Color Contrast Check

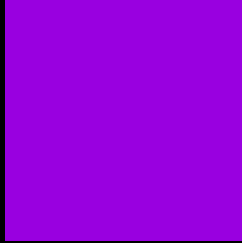
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1541, 0.2413, 0.1103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

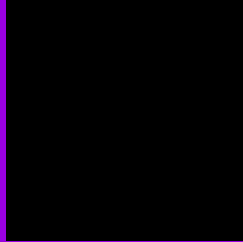
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 12.1541, 0.2413, 0.1103

Background



This preview shows how black text looks on a background with the Yxy color 12.1541, 0.2413, 0.1103.



This preview shows how white text looks on a background with the Yxy color 12.1541, 0.2413, 0.1103.

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

12.1541, 0.2413, 0.1103

Deuteranopia

12.5979, 0.1853, 0.1869

Tritanopia

12.5334, 0.3727, 0.3174

Trichromacy



Original Color

12.1541, 0.2413, 0.1103



Deuteranomaly

8.4716, 0.1801, 0.1160



Tritanomaly

10.1547, 0.3143, 0.1911

Monochromacy



Original Color

12.1541, 0.2413, 0.1103



Achromatopsia

6.3010, 0.3127, 0.3290



Achromatomaly

6.1758, 0.2736, 0.1667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1541, 0.2413, 0.1103 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(153, 0, 224)` looks like.

```
.text, #text, p{  
  color:rgb(153, 0, 224)  
}
```

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(153, 0, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 0, 224) }
```

Border

The CSS property to change the border of an element to Yxy 12.1541, 0.2413, 0.1103 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(153, 0, 224) }
```

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

```
.border{ border-color:rgb(153, 0, 224) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(153, 0, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 0, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 0, 224);  
box-shadow:4px 4px 4px 4px rgb(153, 0,  
224) }
```

Background

The CSS property to change the background color of an element to Yxy 12.1541, 0.2413, 0.1103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 0, 224) }
```

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

```
.background{ background-color: rgb(153, 0,  
224) }
```

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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