

Converting Colors

$Y_{xy}(11.8037, 0.2609, 0.1434)$

Have a look what the booklet for
Yxy(11.8037, 0.2609, 0.1434)
contains.

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Color

Yxy(11.7926, 0.2606, 0.1428)

Conversions

Conversions Part 1

Format	Color
Hex	8E33BD
RGB	142, 51, 189
RGB Percent	56%, 20%, 74%
CMY	0.4432, 0.7999, 0.2589
CMYK	0.25, 0.73, 0.00, 0.26
HSL	280°, 57%, 47%
HSV	280°, 73%, 74%
XYZ	21.5207, 11.7926, 49.2680
YIQ	93.9410, 9.9380, 62.2100

Conversions

Conversions Part 2

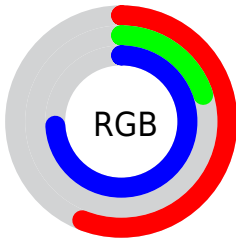
Format	Color
R_{YB}	142, 51, 189
Decimal	9319357
CIE _{Lab}	40.88, 59.56, -55.47
CIE _{LCh}	41, 81.385, 317.037
Yxy	11.7926, 0.2606, 0.1428
Android (android.graphics.Color)	4287509437 (0xFF8E33BD)
YUV	93.9410, 46.8641, 42.1477
Hunter-Lab	34.3404, 51.7681, -61.0249

Details

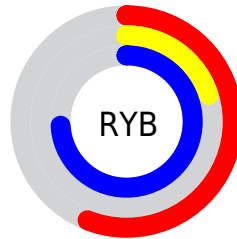
The Yxy color **11.7926, 0.2606, 0.1428** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **39.2177, 0.3287, 0.5410**, and the grayscale version is **11.0670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1040, 0.2750, 0.1765**, and **3.7277, 0.2336, 0.1061** is the 20% darker color. If you saturate the color by 10%, you get **9.9102, 0.2514, 0.1259**, and if you desaturate by 10%, it is **14.3796, 0.2698, 0.1640**.

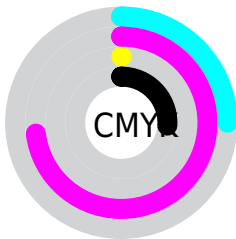
Distribution



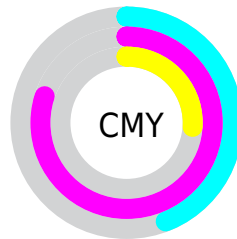
- Red (56%)
- Green (20%)
- Blue (74%)



- Red (56%)
- Yellow (20%)
- Blue (74%)



- Cyan (25%)
- Magenta (73%)
- Yellow (0%)
- Black (26%)





- Cyan (44%)
- Magenta (80%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7926, 0.2606, 0.1428 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 11.7926, 0.2606, 0.1428 by changing the saturation by 10% instead.


 11.7926, 0.2606,
0.1428


 11.7926, 0.2606,
0.1428


203.0274, 0.2952,
0.2371


 6.6026, 0.2490,
0.1207


 29.1168, 0.2753,
0.1764


 3.2148, 0.2326,
0.0942


 42.0198, 0.2802,
0.1893

 1.2449, 0.2082,
0.0631

 58.2626, 0.2841,
0.2003

 0.0979, 0.1746,
0.0097

 78.2296, 0.2872,
0.2098

 0.0000, 0.1064,
0.0000

 102.3052, 0.2897,
0.2180

 0.0000, 0.0000,
0.0000

 130.8737, 0.2918,

0.2252

164.3197, 0.2936,
0.2315

■ 11.7926, 0.2606,
0.1428

■ 11.7926, 0.2606,
0.1428

■ 9.9102, 0.2514,
0.1259

■ 14.3796, 0.2698,
0.1640

■ 8.6434, 0.2425,
0.1139

■ 17.7429, 0.2786,
0.1885

■ 8.0040, 0.2366,
0.1077

■ 21.9467, 0.2869,
0.2151

■ 27.0479, 0.2943,
0.2426

■ 33.0984, 0.3009,
0.2701

■ 40.1461, 0.3066,
0.2967

■ 48.2356, 0.3114,
0.3218

■ 57.4087, 0.3154,
0.3452

■ 67.7049, 0.3188,
0.3667

Harmonies

Analogous

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



11.7926, 0.1471, 0.1172



11.7926, 0.2606, 0.1428



11.7926, 0.4389, 0.1992

Triad

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



11.7926, 0.2606, 0.1428



11.7926, 0.5411, 0.4589



11.7926, 0.0891, 0.2946

Complementary

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



11.7926, 0.2606, 0.1428



39.2177, 0.3287, 0.5410

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.



11.7926, 0.1564, 0.5316



11.7926, 0.2606, 0.1428



11.7926, 0.4115, 0.5885

Square

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



11.7926, 0.2606, 0.1428



11.7926, 0.6220, 0.3550



11.7926, 0.2747, 0.6659



11.7926, 0.0739, 0.1678

Rectangle

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



11.7926, 0.2606, 0.1428



11.7926, 0.5552, 0.2486



11.7926, 0.2747, 0.6659



11.7926, 0.1045, 0.3646

Sweetspot

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



11.7930, 0.2606, 0.1428



60.0607, 0.3013, 0.2718



13.3592, 0.1920, 0.1706



12.2411, 0.2997, 0.2645



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.7930, 0.2606, 0.1428



16.1850, 0.2457, 0.1177



16.0223, 0.3483, 0.1907



9.5292, 0.3085, 0.3060



5.4307, 0.2376, 0.1083



0.2474, 0.2581, 0.1195

Inverse Universe

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



14.0667, 0.4739, 0.2736



21.2478, 0.5294, 0.2779



37.5504, 0.2938, 0.5326



9.5886, 0.3236, 0.3212



7.5441, 0.5584, 0.2850



0.3080, 0.4902, 0.2474

Previews

White Background



This preview shows how the Yxy color 11.7926, 0.2606, 0.1428 looks on a white background.

Color Contrast Check

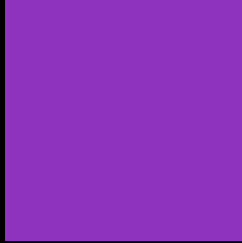
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.7926, 0.2606, 0.1428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

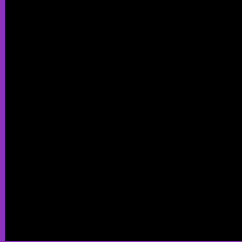
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7926, 0.2606, 0.1428

Background



This preview shows how black text looks on a background with the Yxy color 11.7926, 0.2606, 0.1428.



This preview shows how white text looks on a background with the Yxy color 11.7926, 0.2606, 0.1428.

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

11.7926, 0.2606, 0.1428

Protanopia

12.0826, 0.1746, 0.1486

Deuteranopia

11.9797, 0.1839, 0.1821



Tritanopia

11.7053, 0.3711, 0.3151

Trichromacy



Original Color

11.7926, 0.2606, 0.1428



Protanomaly

10.1190, 0.1818, 0.1315



Deuteranomaly

10.0193, 0.1890, 0.1506



Tritanomaly

11.2029, 0.3254, 0.2317

Monochromacy



Original Color

11.7926, 0.2606, 0.1428



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

10.4133, 0.2895, 0.2277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7926, 0.2606, 0.1428 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(142, 51, 189)` looks like.

```
.text, #text, p{  
    color:rgb(142, 51, 189)  
}
```

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(142, 51, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 51, 189) }
```

Border

The CSS property to change the border of an element to Yxy 11.7926, 0.2606, 0.1428 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(142, 51, 189) }
```

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

```
.border{ border-color:rgb(142, 51, 189) }
```

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

Here you see how a box with a 4 pixel rgb(142, 51, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 51, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 51, 189);  
box-shadow:4px 4px 4px 4px rgb(142, 51,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7926, 0.2606, 0.1428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 51, 189) }
```

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

```
.background{ background-color: rgb(142, 51,  
189) }
```

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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