

Converting Colors

$Y_{xy}(13.2294, 0.2303, 0.1208)$

Have a look what the booklet for
Yxy(13.2294, 0.2303, 0.1208)
contains.

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Color

Yxy(13.1843, 0.2300, 0.1206)

Conversions

Conversions Part 1

Format	Color
Hex	8B33DF
RGB	139, 51, 223
RGB Percent	55%, 20%, 87%
CMY	0.4549, 0.7998, 0.1257
CMYK	0.38, 0.77, 0.00, 0.13
HSL	271°, 73%, 54%
HSV	271°, 77%, 87%
XYZ	25.1442, 13.1843, 70.9941
YIQ	96.9200, -2.7640, 72.1480

Conversions

Conversions Part 2

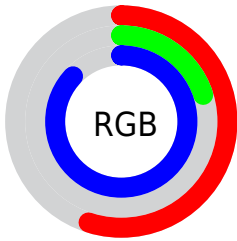
Format	Color
R_{YB}	139, 51, 223
Decimal	9122783
CIE _{Lab}	43.04, 66.49, -71.63
CIE _{LCh}	43, 97.739, 312.868
Yxy	13.1843, 0.2300, 0.1206
Android (android.graphics.Color)	4287312863 (0xFF8B33DF)
YUV	96.9200, 62.1574, 36.9042
Hunter-Lab	36.3102, 60.0654, -90.5073

Details

The Yxy color **13.1843, 0.2300, 0.1206** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle muted purple. A complement of this color would be **58.1364, 0.3438, 0.5408**, and the grayscale version is **11.7831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7412, 0.2674, 0.1707**, and **4.4154, 0.1985, 0.0867** is the 20% darker color. If you saturate the color by 10%, you get **10.7889, 0.2177, 0.1036**, and if you desaturate by 10%, it is **16.6070, 0.2430, 0.1427**.

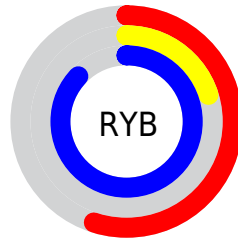
Distribution



Red (55%)

Green (20%)

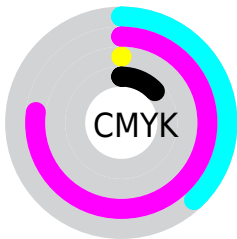
Blue (87%)



Red (55%)

Yellow (20%)

Blue (87%)

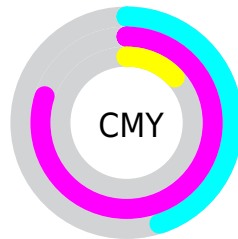


Cyan (38%)

Magenta (77%)

Yellow (0%)

Black (13%)



Cyan (45%)


Magenta (80%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1843, 0.2300, 0.1206 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 13.1843, 0.2300, 0.1206 by changing the saturation by 10% instead.


 13.1843, 0.2300,
0.1206


 13.1843, 0.2300,
0.1206


212.0955, 0.2805,
0.2196


 7.5556, 0.2154,
0.0998


 31.6345, 0.2501,
0.1541

 3.8119, 0.1962,
0.0760


 45.2248, 0.2571,
0.1675


 1.5689, 0.1702,
0.0499

 62.2376, 0.2629,
0.1792

 0.3365, 0.1359,
0.0183

 83.0576, 0.2677,
0.1893

 0.0000, 0.0899,
0.0000

 108.0689, 0.2716,
0.1983

 0.0000, 0.0000,
0.0000

 137.6561, 0.2750,

0.2062

172.2035, 0.2779,
0.2133

■ 13.1843, 0.2300,
0.1206

■ 13.1843, 0.2300,
0.1206

■ 10.7889, 0.2177,
0.1036

■ 16.6070, 0.2430,
0.1427

■ 9.2623, 0.2065,
0.0922

■ 21.1764, 0.2560,
0.1688

■ 8.9073, 0.2034,
0.0894

■ 26.9958, 0.2685,
0.1974

■ 34.1565, 0.2801,
0.2270

■ 42.7410, 0.2906,
0.2565

■ 52.8249, 0.2998,
0.2848

■ 64.4784, 0.3078,
0.3114

■ 77.7673, 0.3146,
0.3359

■ 92.7534, 0.3202,
0.3581

Harmonies

Analogous

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



13.1843, 0.1202, 0.0988



13.1843, 0.2300, 0.1206



13.1843, 0.4240, 0.1746

Triad

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



13.1843, 0.2300, 0.1206



13.1843, 0.5673, 0.4327



13.1843, 0.0732, 0.3145

Complementary

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



13.1843, 0.2300, 0.1206



58.1364, 0.3438, 0.5408

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.



13.1843, 0.1467, 0.6088



13.1843, 0.2300, 0.1206



13.1843, 0.4209, 0.5791

Square

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



13.1843, 0.2300, 0.1206



13.1843, 0.6577, 0.3288



13.1843, 0.2743, 0.7159



13.1843, 0.0562, 0.1594

Rectangle

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



13.1843, 0.2300, 0.1206



13.1843, 0.5649, 0.2244



13.1843, 0.2743, 0.7159



13.1843, 0.0899, 0.4039

Sweetspot

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



13.1847, 0.2300, 0.1206



63.0848, 0.2944, 0.2678



23.9189, 0.1957, 0.1982



12.4843, 0.2909, 0.2573



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.



13.1847, 0.2300, 0.1206



13.1533, 0.2102, 0.0955



23.3755, 0.3203, 0.1667



13.5863, 0.3060, 0.3053



5.3077, 0.2050, 0.0903



0.4212, 0.2215, 0.0994

Inverse Universe

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



19.7995, 0.4462, 0.2456



23.3995, 0.4882, 0.2498



53.6913, 0.3014, 0.5710



13.8115, 0.3216, 0.3176



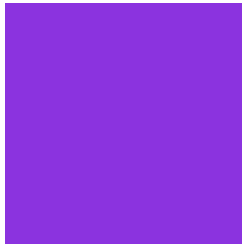
9.8949, 0.5001, 0.2529



0.7039, 0.4652, 0.2336

Previews

White Background



This preview shows how the Yxy color 13.1843, 0.2300, 0.1206 looks on a white background.

Color Contrast Check

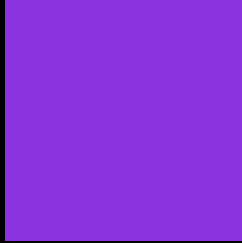
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1843, 0.2300, 0.1206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

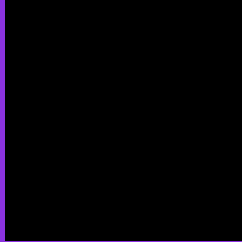
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1843, 0.2300, 0.1206

Background



This preview shows how black text looks on a background with the Yxy color 13.1843, 0.2300, 0.1206.



This preview shows how white text looks on a background with the Yxy color 13.1843, 0.2300, 0.1206.

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

13.1843, 0.2300, 0.1206

Protanopia

13.2404, 0.1744, 0.1477

Deuteranopia

13.1553, 0.1850, 0.1860



Tritanopia

13.1937, 0.3300, 0.3145

Trichromacy



Original Color

13.1843, 0.2300, 0.1206



Protanomaly

11.3928, 0.1774, 0.1238



Deuteranomaly

11.1409, 0.1840, 0.1417



Tritanomaly

12.1290, 0.2853, 0.2104

Monochromacy



Original Color

13.1843, 0.2300, 0.1206



Achromatopsia

11.9538, 0.3127, 0.3290



Achromatomaly

11.1652, 0.2735, 0.2105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1843, 0.2300, 0.1206 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(139, 51, 223)` looks like.

```
.text, #text, p{  
    color:rgb(139, 51, 223)  
}
```

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(139, 51, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 51, 223) }
```

Border

The CSS property to change the border of an element to Yxy 13.1843, 0.2300, 0.1206 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(139, 51, 223) }
```

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

```
.border{ border-color:rgb(139, 51, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 51, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 51, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 51, 223);  
box-shadow:4px 4px 4px 4px rgb(139, 51,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1843, 0.2300, 0.1206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 51, 223) }
```

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

```
.background{ background-color: rgb(139, 51,  
223) }
```

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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