

Converting Colors

$Y_{xy}(13.4131, 0.2596, 0.1383)$

Have a look what the booklet for
Yxy(13.4131, 0.2596, 0.1383)
contains.

Yxy(13.4131, 0.2596, 0.1383)	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>	30

Color

Yxy(13.4131, 0.2596, 0.1383)

Conversions

Conversions Part 1

Format	Color
Hex	9932CC
RGB	153, 50, 204
RGB Percent	60%, 20%, 80%
CMY	0.4000, 0.8039, 0.2000
CMYK	0.25, 0.75, 0.00, 0.20
HSL	280°, 61%, 50%
HSV	280°, 75%, 80%
XYZ	25.1774, 13.4131, 58.3950
YIQ	98.3530, 11.9540, 69.7300

Conversions

Conversions Part 2

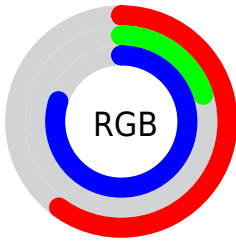
Format	Color
R _Y B	153, 50, 204
Decimal	10040012
CIE _{Lab}	43.38, 65.17, -60.12
CIE _{LCh}	43, 88.663, 317.311
Y _{xy}	13.4131, 0.2596, 0.1383
Android (android.graphics.Color)	4288230092 (0xFF9932CC)
YUV	98.3530, 52.0840, 47.9254
Hunter-Lab	36.6239, 58.6197, -68.8982

Details

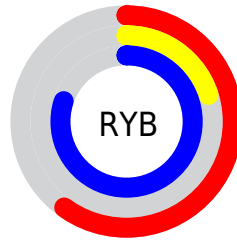
The Yxy color **13.4131, 0.2596, 0.1383** is a dark color, and the websafe version is hex **9933CC**, and the color name is **darkorchid**. The color can be described as middle muted purple. A complement of this color would be **46.1879, 0.3270, 0.5485**, and the grayscale version is **12.1721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5843, 0.2790, 0.1756**, and **4.6567, 0.2345, 0.1066** is the 20% darker color. If you saturate the color by 10%, you get **11.4019, 0.2507, 0.1229**, and if you desaturate by 10%, it is **16.2392, 0.2686, 0.1582**.

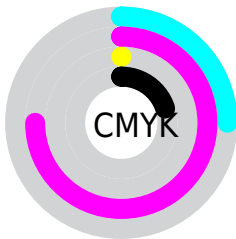
Distribution



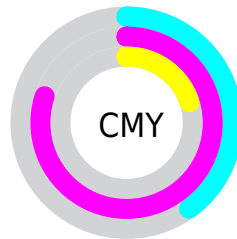
- Red (60%)
- Green (20%)
- Blue (80%)



- Red (60%)
- Yellow (20%)
- Blue (80%)



- Cyan (25%)
- Magenta (75%)
- Yellow (0%)
- Black (20%)





- Cyan (40%)
- Magenta (80%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4131, 0.2596, 0.1383 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 13.4131, 0.2596, 0.1383 by changing the saturation by 10% instead.


 13.4131, 0.2596,
0.1383


 13.4131, 0.2596,
0.1383


213.5485, 0.2943,
0.2319


 7.7136, 0.2485,
0.1173


 32.0440, 0.2741,
0.1709


 3.9123, 0.2329,
0.0924


 45.7441, 0.2790,
0.1837


 1.6246, 0.2105,
0.0637

 62.8800, 0.2829,
0.1946

 0.3741, 0.1785,
0.0267

 83.8360, 0.2861,
0.2041

 0.0000, 0.1291,
0.0000

 108.9964, 0.2887,
0.2124

 0.0000, 0.0000,
0.0000

 138.7457, 0.2909,

0.2197

173.4682, 0.2928,
0.2261

■ 13.4131, 0.2596,
0.1383

■ 13.4131, 0.2596,
0.1383

■ 11.4019, 0.2507,
0.1229

■ 16.2392, 0.2686,
0.1582

■ 10.0909, 0.2421,
0.1124

■ 19.9708, 0.2774,
0.1819

■ 9.6316, 0.2383,
0.1087

■ 24.6881, 0.2856,
0.2080

■ 30.4615, 0.2931,
0.2354

■ 37.3551, 0.2997,
0.2630

■ 45.4278, 0.3055,
0.2900

■ 54.7342, 0.3104,
0.3156

■ 65.3254, 0.3145,
0.3396

■ 77.2498, 0.3178,
0.3617

Harmonies

Analogous

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



13.4131, 0.1431, 0.1122



13.4131, 0.2596, 0.1383



13.4131, 0.4453, 0.1956

Triad

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



13.4131, 0.2596, 0.1383



13.4131, 0.5422, 0.4578



13.4131, 0.0826, 0.2898

Complementary

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



13.4131, 0.2596, 0.1383



46.1879, 0.3270, 0.5485

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.



13.4131, 0.1488, 0.5394



13.4131, 0.2596, 0.1383



13.4131, 0.4068, 0.5932

Square

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



13.4131, 0.2596, 0.1383



13.4131, 0.6302, 0.3521



13.4131, 0.2677, 0.6802



13.4131, 0.0687, 0.1613

Rectangle

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



13.4131, 0.2596, 0.1383



13.4131, 0.5661, 0.2456



13.4131, 0.2677, 0.6802



13.4131, 0.0974, 0.3625

Sweetspot

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



13.4136, 0.2596, 0.1383



64.6182, 0.3011, 0.2690



14.4107, 0.1871, 0.1595



12.8559, 0.2988, 0.2590



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.



13.4136, 0.2596, 0.1383



17.3131, 0.2449, 0.1154



18.3479, 0.3535, 0.1901



11.2104, 0.3086, 0.3058



6.1141, 0.2395, 0.1093



0.3557, 0.2557, 0.1183

Inverse Universe

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



16.0595, 0.4865, 0.2751



22.7871, 0.5431, 0.2823



44.3859, 0.2928, 0.5370



11.2739, 0.3239, 0.3213



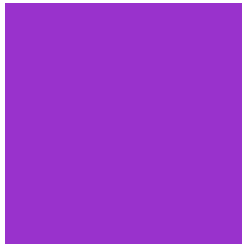
8.3548, 0.5629, 0.2874



0.4450, 0.5072, 0.2568

Previews

White Background



This preview shows how the Yxy color 13.4131, 0.2596, 0.1383 looks on a white background.

Color Contrast Check

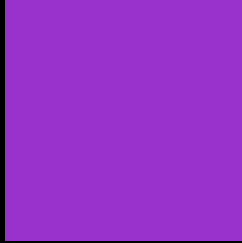
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.4131, 0.2596, 0.1383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

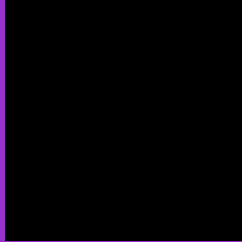
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4131, 0.2596, 0.1383

Background



This preview shows how black text looks on a background with the Yxy color 13.4131, 0.2596, 0.1383.



This preview shows how white text looks on a background with the Yxy color 13.4131, 0.2596, 0.1383.

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

13.4131, 0.2596, 0.1383

Protanopia

13.5768, 0.1742, 0.1469

Deuteranopia

13.5638, 0.1839, 0.1820



Tritanopia

13.4096, 0.3763, 0.3160

Trichromacy



Original Color

13.4131, 0.2596, 0.1383



Protanomaly

11.2797, 0.1808, 0.1278



Deuteranomaly

11.0993, 0.1878, 0.1459



Tritanomaly

12.5605, 0.3268, 0.2266

Monochromacy



Original Color

13.4131, 0.2596, 0.1383



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

11.5426, 0.2894, 0.2238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4131, 0.2596, 0.1383 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, 50, 204)` looks like.

```
.text, #text, p{  
    color:rgb(153, 50, 204)  
}
```

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, 50, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 50, 204) }
```

Border

The CSS property to change the border of an element to Yxy 13.4131, 0.2596, 0.1383 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, 50, 204) }
```

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

```
.border{ border-color:rgb(153, 50, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 50, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 50, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 50, 204);  
box-shadow:4px 4px 4px 4px rgb(153, 50,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4131, 0.2596, 0.1383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 50, 204) }
```

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

```
.background{ background-color: rgb(153, 50,  
204) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor