

Converting Colors

$Y_{xy}(14.8292, 0.2298, 0.1224)$

Have a look what the booklet for
Yxy(14.8292, 0.2298, 0.1224)
contains.

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Color

Yxy(14.8292, 0.2298, 0.1224)

Conversions

Conversions Part 1

Format	Color
Hex	9139E9
RGB	145, 57, 233
RGB Percent	57%, 22%, 91%
CMY	0.4316, 0.7763, 0.0863
CMYK	0.38, 0.76, 0.00, 0.09
HSL	270°, 80%, 57%
HSV	270°, 76%, 91%
XYZ	27.8411, 14.8292, 78.4833
YIQ	103.3760, -4.0480, 73.3920

Conversions

Conversions Part 2

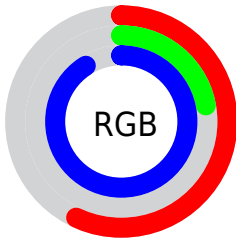
Format	Color
R_{YB}	145, 57, 233
Decimal	9517545
CIE _{Lab}	45.40, 67.41, -73.46
CIE _{LCh}	45, 99.703, 312.540
Yxy	14.8292, 0.2298, 0.1224
Android (android.graphics.Color)	4287707625 (0xFF9139E9)
YUV	103.3760, 63.9046, 36.5042
Hunter-Lab	38.5087, 61.6621, -93.8809

Details

The Yxy color **14.8292, 0.2298, 0.1224** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **64.6005, 0.3455, 0.5369**, and the grayscale version is **13.5008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0094, 0.2740, 0.1785**, and **5.0659, 0.1994, 0.0872** is the 20% darker color. If you saturate the color by 10%, you get **12.0233, 0.2171, 0.1045**, and if you desaturate by 10%, it is **18.8008, 0.2431, 0.1454**.

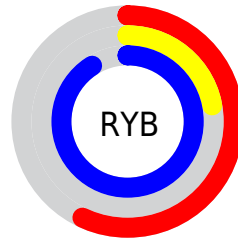
Distribution



Red (57%)

Green (22%)

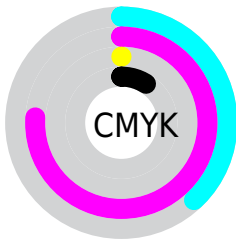
Blue (91%)



Red (57%)

Yellow (22%)

Blue (91%)

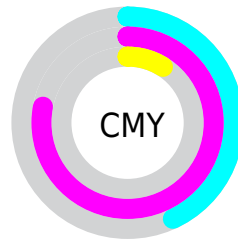


Cyan (38%)

Magenta (76%)

Yellow (0%)

Black (9%)



Cyan (43%)


Magenta (78%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.8292, 0.2298, 0.1224 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 14.8292, 0.2298, 0.1224 by changing the saturation by 10% instead.


 14.8292, 0.2298,
0.1224


 14.8292, 0.2298,
0.1224


222.3301, 0.2795,
0.2189


 8.6996, 0.2158,
0.1024


 34.5533, 0.2493,
0.1548


 4.5458, 0.1975,
0.0795


 48.9165, 0.2562,
0.1678


 1.9833, 0.1732,
0.0542


 66.7931, 0.2619,
0.1792

 0.5977, 0.1407,
0.0272

 88.5675, 0.2666,
0.1892

 0.0000, 0.0987,
0.0000

 114.6239, 0.2706,
0.1979

 0.0000, 0.0180,
0.0000

145.3469, 0.2740,

 0.0000, 0.0000,

0.2057

0.0000

181.1208, 0.2769,
0.2127

■ 14.8292, 0.2298,
0.1224

■ 14.8292, 0.2298,
0.1224

■ 12.0233, 0.2171,
0.1045

■ 18.8008, 0.2431,
0.1454

■ 10.2209, 0.2056,
0.0922

■ 24.0678, 0.2564,
0.1722

■ 9.6238, 0.2008,
0.0880

■ 30.7436, 0.2691,
0.2013

■ 38.9282, 0.2809,
0.2313

■ 48.7125, 0.2915,
0.2608

60.1798, 0.3008,
0.2890

73.4078, 0.3088,
0.3154

88.4689, 0.3156,
0.3396

97.7060, 0.3223,
0.3505

Harmonies

Analogous

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



14.8292, 0.1215, 0.1010



14.8292, 0.2298, 0.1224



14.8292, 0.4200, 0.1759

Triad

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



14.8292, 0.2298, 0.1224



14.8292, 0.5672, 0.4328



14.8292, 0.0764, 0.3182

Complementary

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



14.8292, 0.2298, 0.1224



64.6005, 0.3455, 0.5369

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.



14.8292, 0.1513, 0.6054



14.8292, 0.2298, 0.1224



14.8292, 0.4239, 0.5761

Square

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



14.8292, 0.2298, 0.1224



14.8292, 0.6534, 0.3297



14.8292, 0.2778, 0.7061



14.8292, 0.0584, 0.1631

Rectangle

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



14.8292, 0.2298, 0.1224



14.8292, 0.5586, 0.2254



14.8292, 0.2778, 0.7061



14.8292, 0.0937, 0.4063

Sweetspot

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



14.8297, 0.2298, 0.1224



62.9704, 0.2939, 0.2677



27.9204, 0.1985, 0.2054



12.4567, 0.2903, 0.2572



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.



14.8297, 0.2298, 0.1224



13.3096, 0.2101, 0.0965



25.6479, 0.3172, 0.1666



14.9186, 0.3058, 0.3052



5.5346, 0.2024, 0.0889



0.4918, 0.2174, 0.0971

Inverse Universe

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



22.3016, 0.4392, 0.2437



23.7369, 0.4786, 0.2459



59.5323, 0.3024, 0.5671



15.1798, 0.3215, 0.3173



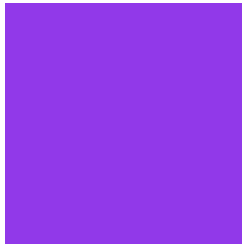
10.5782, 0.4955, 0.2503



0.8501, 0.4648, 0.2334

Previews

White Background



This preview shows how the Yxy color 14.8292, 0.2298, 0.1224 looks on a white background.

Color Contrast Check

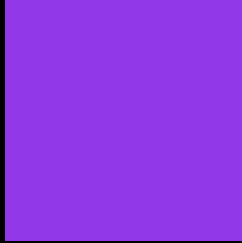
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.8292, 0.2298, 0.1224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

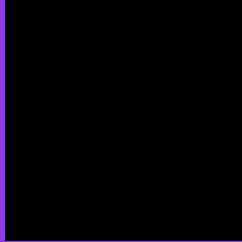
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.8292, 0.2298, 0.1224

Background



This preview shows how black text looks on a background with the Yxy color 14.8292, 0.2298, 0.1224.



This preview shows how white text looks on a background with the Yxy color 14.8292, 0.2298, 0.1224.

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

14.8292, 0.2298, 0.1224

Protanopia

15.0151, 0.1743, 0.1476

Deuteranopia

14.8696, 0.1846, 0.1846



Tritanopia

14.8413, 0.3263, 0.3131

Trichromacy



Original Color

14.8292, 0.2298, 0.1224



Protanomaly

12.9551, 0.1774, 0.1254



Deuteranomaly

12.6953, 0.1837, 0.1426



Tritanomaly

13.6893, 0.2829, 0.2117

Monochromacy



Original Color

14.8292, 0.2298, 0.1224



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

12.7091, 0.2742, 0.2137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8292, 0.2298, 0.1224 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(145, 57, 233)` looks like.

```
.text, #text, p{  
  color:rgb(145, 57, 233)  
}
```

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(145, 57, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 57, 233) }
```

Border

The CSS property to change the border of an element to Yxy 14.8292, 0.2298, 0.1224 is called "border". The border property can be set on classes, ids or directly on the HTML element.

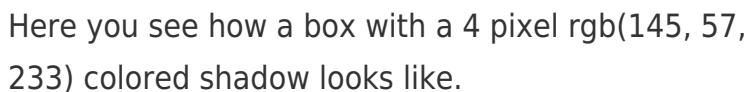
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(145, 57, 233) }
```

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

```
.border{ border-color:rgb(145, 57, 233) }
```

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



Here you see how a box with a 4 pixel `rgb(145, 57, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 57, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 57, 233);  
box-shadow:4px 4px 4px 4px rgb(145, 57,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 14.8292, 0.2298, 0.1224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 57, 233) }
```

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

```
.background{ background-color: rgb(145, 57,  
233) }
```

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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