

Converting Colors

$Y_{xy}(16.9928, 0.2275, 0.1491)$

Have a look what the booklet for
Yxy(16.9928, 0.2275, 0.1491)
contains.

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Color

Yxy(16.9992, 0.2272, 0.1492)

Conversions

Conversions Part 1

Format	Color
Hex	8258DE
RGB	130, 88, 222
RGB Percent	51%, 35%, 87%
CMY	0.4901, 0.6550, 0.1293
CMYK	0.41, 0.60, 0.00, 0.13
HSL	259°, 67%, 61%
HSV	259°, 60%, 87%
XYZ	25.8862, 16.9992, 71.0503
YIQ	115.8340, -17.9820, 50.5780

Conversions

Conversions Part 2

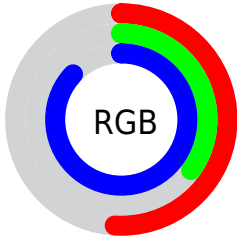
Format	Color
R_{YB}	130, 88, 222
Decimal	8542430
CIE _{Lab}	48.26, 47.12, -62.68
CIE _{LCh}	48, 78.419, 306.935
Yxy	16.9992, 0.2272, 0.1492
Android (android.graphics.Color)	4286732510 (0xFF8258DE)
YUV	115.8340, 52.3398, 12.4236
Hunter-Lab	41.2301, 39.9180, -73.3112

Details

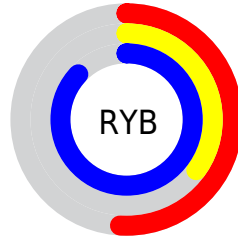
The Yxy color **16.9992, 0.2272, 0.1492** is a dark color, and the websafe version is hex **9966FF**. The color can be described as middle muted purple. A complement of this color would be **62.6703, 0.3643, 0.4887**, and the grayscale version is **17.2525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6675, 0.2618, 0.1993**, and **5.5819, 0.1959, 0.1064** is the 20% darker color. If you saturate the color by 10%, you get **12.7763, 0.2104, 0.1212**, and if you desaturate by 10%, it is **22.5113, 0.2443, 0.1802**.

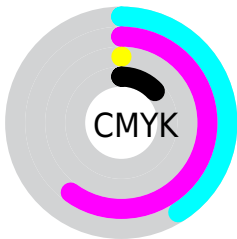
Distribution



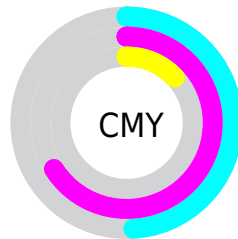
- Red (51%)
- Green (35%)
- Blue (87%)



- Red (51%)
- Yellow (35%)
- Blue (87%)



- Cyan (41%)
- Magenta (60%)
- Yellow (0%)
- Black (13%)





- Cyan (49%)
- Magenta (66%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9992, 0.2272, 0.1492 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 16.9992, 0.2272, 0.1492 by changing the saturation by 10% instead.


 16.9992, 0.2272,
0.1492


 16.9992, 0.2272,
0.1492


235.1678, 0.2765,
0.2369


 10.2339, 0.2135,
0.1295


 38.3244, 0.2463,
0.1797

 5.5543, 0.1956,
0.1061


 53.6531, 0.2532,
0.1916


 2.5760, 0.1716,
0.0786

 72.6051, 0.2588,
0.2019

 0.9146, 0.1389,
0.0479

 95.5647, 0.2635,
0.2108

 0.0000, 0.0972,
0.0000

 122.9164, 0.2675,
0.2186

 0.0000, 0.0000,
0.0000

155.0446, 0.2709,

0.2254

192.3335, 0.2739,
0.2315

■ 16.9992, 0.2272,
0.1492

■ 16.9992, 0.2272,
0.1492

■ 12.7763, 0.2104,
0.1212

■ 22.5113, 0.2443,
0.1802

■ 9.7288, 0.1947,
0.0983

■ 29.4097, 0.2608,
0.2125

■ 7.7245, 0.1813,
0.0817

■ 37.7836, 0.2760,
0.2443

■ 6.5642, 0.1709,
0.0715

■ 47.7143, 0.2898,
0.2746

■ 59.2771, 0.3019,
0.3026

■ 72.5423, 0.3124,
0.3281

■ 87.5759, 0.3213,
0.3509

■ 97.4817, 0.3301,
0.3613

■ 98.0560, 0.3321,
0.3611

Harmonies

Analogous

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



16.9992, 0.1416, 0.1347



16.9992, 0.2272, 0.1492



16.9992, 0.3680, 0.1933

Triad

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



16.9992, 0.2272, 0.1492



16.9992, 0.5549, 0.4258



16.9992, 0.1286, 0.3642

Complementary

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



16.9992, 0.2272, 0.1492



62.6703, 0.3643, 0.4887

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.



16.9992, 0.2141, 0.5570



16.9992, 0.2272, 0.1492



16.9992, 0.4559, 0.5324

Square

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



16.9992, 0.2272, 0.1492



16.9992, 0.5923, 0.3379



16.9992, 0.3328, 0.6126



16.9992, 0.0958, 0.2177

Rectangle

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



16.9992, 0.2272, 0.1492



16.9992, 0.4750, 0.2368



16.9992, 0.3328, 0.6126



16.9992, 0.1512, 0.4309

Sweetspot

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



16.9998, 0.2272, 0.1492



68.6365, 0.2926, 0.2811



40.7324, 0.2263, 0.2718



13.7582, 0.2889, 0.2726



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.



16.9998, 0.2272, 0.1492



16.4426, 0.2068, 0.1157



23.8847, 0.2911, 0.1772



13.4508, 0.3029, 0.3051



3.9498, 0.1722, 0.0722



0.3203, 0.1890, 0.0815

Inverse Universe

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



25.8073, 0.3684, 0.2271



29.8683, 0.3845, 0.2141



56.5977, 0.3180, 0.5153



13.8586, 0.3185, 0.3130



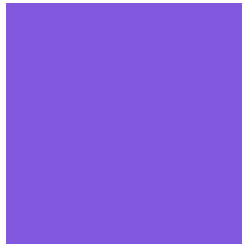
10.5993, 0.4193, 0.2084



0.7506, 0.4005, 0.1980

Previews

White Background



This preview shows how the Yxy color 16.9992, 0.2272, 0.1492 looks on a white background.

Color Contrast Check

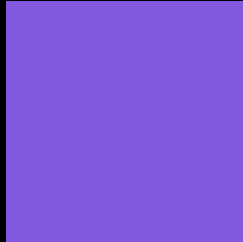
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9992, 0.2272, 0.1492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

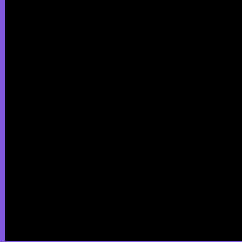
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9992, 0.2272, 0.1492

Background



This preview shows how black text looks on a background with the Yxy color 16.9992, 0.2272, 0.1492.



This preview shows how white text looks on a background with the Yxy color 16.9992, 0.2272, 0.1492.

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

16.9992, 0.2272, 0.1492

Protanopia

17.0924, 0.1737, 0.1454

Tritanopia

16.8679, 0.2912, 0.3090

Trichromacy



Original Color

16.9992, 0.2272, 0.1492

Protanomaly

15.8203, 0.1790, 0.1402

Tritanomaly

16.2861, 0.2631, 0.2321

Monochromacy



Original Color

16.9992, 0.2272, 0.1492

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

16.7396, 0.2750, 0.2428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9992, 0.2272, 0.1492 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(130, 88, 222)` looks like.

```
.text, #text, p{  
  color:rgb(130, 88, 222)  
}
```

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(130, 88, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 88, 222) }
```

Border

The CSS property to change the border of an element to Yxy 16.9992, 0.2272, 0.1492 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(130, 88, 222) }
```

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

```
.border{ border-color:rgb(130, 88, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 88, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 88, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 88, 222);  
box-shadow:4px 4px 4px 4px rgb(130, 88,  
222) }
```

Background

The CSS property to change the background color of an element to Yxy 16.9992, 0.2272, 0.1492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 88, 222) }
```

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

```
.background{ background-color: rgb(130, 88,  
222) }
```

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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