

Converting Colors

$Y_{xy}(16.3822, 0.2236, 0.1407)$

Have a look what the booklet for
Yxy(16.3822, 0.2236, 0.1407)
contains.

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Color

Yxy(16.4233, 0.2240, 0.1413)

Conversions

Conversions Part 1

Format	Color
Hex	8253E2
RGB	130, 83, 226
RGB Percent	51%, 33%, 89%
CMY	0.4900, 0.6746, 0.1136
CMYK	0.42, 0.63, 0.00, 0.11
HSL	260°, 71%, 61%
HSV	260°, 63%, 89%
XYZ	26.0355, 16.4233, 73.7712
YIQ	113.3550, -17.8910, 54.4370

Conversions

Conversions Part 2

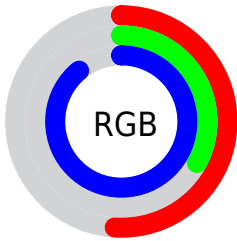
Format	Color
R_{YB}	130, 83, 226
Decimal	8541154
CIE _{Lab}	47.53, 50.91, -66.13
CIE _{LCh}	48, 83.458, 307.588
Yxy	16.4233, 0.2240, 0.1413
Android (android.graphics.Color)	4286731234 (0xFF8253E2)
YUV	113.3550, 55.5340, 14.5977
Hunter-Lab	40.5257, 43.7565, -79.5610

Details

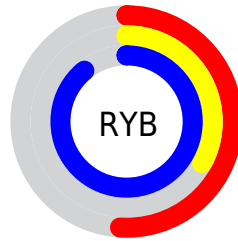
The Yxy color **16.4233, 0.2240, 0.1413** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **64.6104, 0.3639, 0.4966**, and the grayscale version is **16.4598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3668, 0.2621, 0.1943**, and **5.2921, 0.1908, 0.0978** is the 20% darker color. If you saturate the color by 10%, you get **12.3998, 0.2076, 0.1148**, and if you desaturate by 10%, it is **21.7513, 0.2409, 0.1714**.

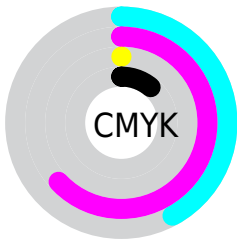
Distribution



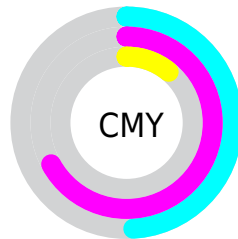
- Red (51%)
- Green (33%)
- Blue (89%)



- Red (51%)
- Yellow (33%)
- Blue (89%)



- Cyan (42%)
- Magenta (63%)
- Yellow (0%)
- Black (11%)




- Cyan (49%)
- Magenta (67%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4233, 0.2240, 0.1413 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 16.4233, 0.2240, 0.1413 by changing the saturation by 10% instead.


 16.4233, 0.2240,
0.1413

 16.4233, 0.2240,
0.1413


231.8267, 0.2752,
0.2319


 9.8242, 0.2099,
0.1214


 37.3315, 0.2438,
0.1725


 5.2825, 0.1914,
0.0980


 52.4094, 0.2510,
0.1848


 2.4140, 0.1669,
0.0710

 71.0824, 0.2568,
0.1954

 0.8331, 0.1340,
0.0415

 93.7348, 0.2618,
0.2046

 0.0000, 0.0923,
0.0000

 120.7510, 0.2659,
0.2127

 0.0000, 0.0000,
0.0000

152.5155, 0.2695,

0.2199

189.4126, 0.2726,
0.2262

■ 16.4233, 0.2240,
0.1413

■ 16.4233, 0.2240,
0.1413

■ 12.3998, 0.2076,
0.1148

■ 21.7513, 0.2409,
0.1714

■ 9.5572, 0.1926,
0.0937

■ 28.4885, 0.2573,
0.2033

■ 7.7496, 0.1799,
0.0792

■ 36.7303, 0.2726,
0.2353

■ 6.9643, 0.1728,
0.0725

■ 46.5631, 0.2866,
0.2660

■ 58.0670, 0.2989,
0.2947

71.3162, 0.3095,
0.3209

86.3805, 0.3187,
0.3445

97.5892, 0.3274,
0.3573

98.2727, 0.3297,
0.3571

Harmonies

Analogous

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



16.4233, 0.1344, 0.1256



16.4233, 0.2240, 0.1413



16.4233, 0.3747, 0.1872

Triad

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



16.4233, 0.2240, 0.1413



16.4233, 0.5644, 0.4269



16.4233, 0.1164, 0.3604

Complementary

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



16.4233, 0.2240, 0.1413



64.6104, 0.3639, 0.4966

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.



16.4233, 0.2023, 0.5744



16.4233, 0.2240, 0.1413



16.4233, 0.4566, 0.5434

Square

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



16.4233, 0.2240, 0.1413



16.4233, 0.6092, 0.3349



16.4233, 0.3244, 0.6327



16.4233, 0.0857, 0.2067

Rectangle

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



16.4233, 0.2240, 0.1413



16.4233, 0.4899, 0.2322



16.4233, 0.3244, 0.6327



16.4233, 0.1386, 0.4334

Sweetspot

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



16.4238, 0.2240, 0.1413



67.2360, 0.2919, 0.2783



40.2668, 0.2221, 0.2649



13.4908, 0.2882, 0.2698



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.



16.4238, 0.2240, 0.1413



14.9378, 0.2026, 0.1074



23.9259, 0.2921, 0.1722



13.4613, 0.3032, 0.3051



4.0295, 0.1743, 0.0734



0.3268, 0.1912, 0.0827

Inverse Universe

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



25.6072, 0.3752, 0.2256



28.3899, 0.3940, 0.2137



58.2970, 0.3163, 0.5253



13.8549, 0.3188, 0.3134



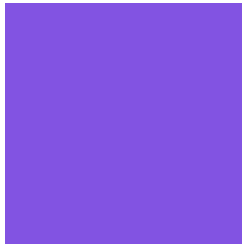
10.5332, 0.4253, 0.2116



0.7464, 0.4052, 0.2006

Previews

White Background



This preview shows how the Yxy color 16.4233, 0.2240, 0.1413 looks on a white background.

Color Contrast Check

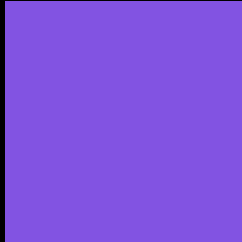
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4233, 0.2240, 0.1413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

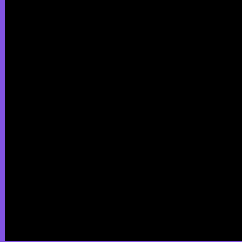
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4233, 0.2240, 0.1413

Background



This preview shows how black text looks on a background with the Yxy color 16.4233, 0.2240, 0.1413.



This preview shows how white text looks on a background with the Yxy color 16.4233, 0.2240, 0.1413.

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

16.4233, 0.2240, 0.1413

Protanopia

16.6504, 0.1741, 0.1468

Deuteranopia

16.4785, 0.1838, 0.1817



Tritanopia

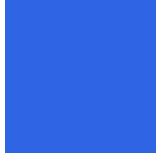
16.2187, 0.2920, 0.3107

Trichromacy



Original Color

16.4233, 0.2240, 0.1413



Protanomaly

15.3758, 0.1786, 0.1382



Deuteranomaly

14.9580, 0.1848, 0.1566



Tritanomaly

15.6182, 0.2615, 0.2264

Monochromacy



Original Color

16.4233, 0.2240, 0.1413



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

15.7578, 0.2731, 0.2366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4233, 0.2240, 0.1413 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, 83, 226)` looks like.

```
.text, #text, p{  
    color:rgb(130, 83, 226)  
}
```

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, 83, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 83, 226) }
```

Border

The CSS property to change the border of an element to Yxy 16.4233, 0.2240, 0.1413 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, 83, 226) }
```

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

```
.border{ border-color:rgb(130, 83, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 83, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 83, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 83, 226);  
box-shadow:4px 4px 4px 4px rgb(130, 83,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4233, 0.2240, 0.1413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 83, 226) }
```

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

```
.background{ background-color: rgb(130, 83,  
226) }
```

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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