

Converting Colors

$Y_{xy}(15.7777, 0.2462, 0.1721)$

Have a look what the booklet for
Yxy(15.7777, 0.2462, 0.1721)
contains.

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Color

Yxy(15.8307, 0.2461, 0.1722)

Conversions

Conversions Part 1

Format	Color
Hex	8259C3
RGB	130, 89, 195
RGB Percent	51%, 35%, 76%
CMY	0.4902, 0.6509, 0.2354
CMYK	0.33, 0.54, 0.00, 0.24
HSL	263°, 47%, 56%
HSV	263°, 54%, 76%
XYZ	22.6245, 15.8307, 53.4769
YIQ	113.3430, -9.5900, 41.6580

Conversions

Conversions Part 2

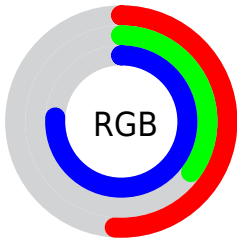
Format	Color
R _Y B	130, 89, 195
Decimal	8542659
CIE Lab	46.75, 39.39, -49.60
CIE LCh	47, 63.343, 308.454
Yxy	15.8307, 0.2461, 0.1722
Android (android.graphics.Color)	4286732739 (0xFF8259C3)
YUV	113.3430, 40.2569, 14.6082
Hunter-Lab	39.7878, 31.8715, -51.8374

Details

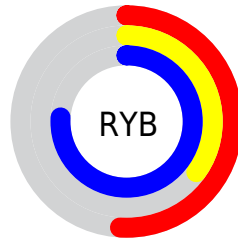
The Yxy color **15.8307, 0.2461, 0.1722** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **46.6100, 0.3539, 0.4762**, and the grayscale version is **16.5017, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2235, 0.2622, 0.2012**, and **5.0455, 0.2181, 0.1282** is the 20% darker color. If you saturate the color by 10%, you get **12.1130, 0.2305, 0.1433**, and if you desaturate by 10%, it is **20.5187, 0.2612, 0.2029**.

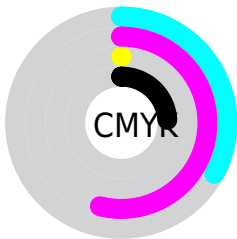
Distribution



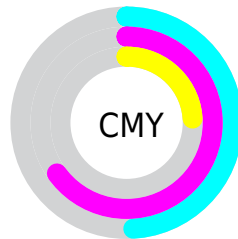
- Red (51%)
- Green (35%)
- Blue (76%)



- Red (51%)
- Yellow (35%)
- Blue (76%)



- Cyan (33%)
- Magenta (54%)
- Yellow (0%)
- Black (24%)




- Cyan (49%)
- Magenta (65%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.8307, 0.2461, 0.1722 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 15.8307, 0.2461, 0.1722 by changing the saturation by 10% instead.


 15.8307, 0.2461,
0.1722


 15.8307, 0.2461,
0.1722


228.3406, 0.2858,
0.2526


 9.4044, 0.2342,
0.1526


 36.3040, 0.2620,
0.2013


 5.0059, 0.2180,
0.1282


 51.1199, 0.2676,
0.2124

 2.2507, 0.1949,
0.0980

 69.5011, 0.2721,
0.2217

 0.7474, 0.1610,
0.0610

 91.8320, 0.2758,
0.2297

 0.0000, 0.1104,
0.0000

 118.4970, 0.2789,
0.2366

 0.0000, 0.0000,
0.0000

149.8805, 0.2816,

0.2426

186.3669, 0.2838,
0.2479

■ 15.8307, 0.2461,
0.1722

■ 15.8307, 0.2461,
0.1722

■ 12.1130, 0.2305,
0.1433

■ 20.5187, 0.2612,
0.2029

■ 9.2906, 0.2151,
0.1180

■ 26.2408, 0.2753,
0.2339

■ 7.2799, 0.2008,
0.0978

■ 33.0569, 0.2880,
0.2640

■ 5.9797, 0.1883,
0.0836

■ 41.0222, 0.2992,
0.2923

■ 5.4507, 0.1820,
0.0776

■ 50.1877, 0.3089,
0.3184

■ 60.6015, 0.3173,
0.3421

■ 72.3090, 0.3243,
0.3633

■ 85.3533, 0.3303,
0.3822

■ 93.5687, 0.3368,
0.3903

Harmonies

Analogous

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



15.8307, 0.1660, 0.1577



15.8307, 0.2461, 0.1722



15.8307, 0.3676, 0.2141

Triad

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



15.8307, 0.2461, 0.1722



15.8307, 0.5247, 0.4310



15.8307, 0.1526, 0.3539

Complementary

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



15.8307, 0.2461, 0.1722



46.6100, 0.3539, 0.4762

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.



15.8307, 0.2295, 0.5047



15.8307, 0.2461, 0.1722



15.8307, 0.4418, 0.5163

Square

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



15.8307, 0.2461, 0.1722



15.8307, 0.5517, 0.3502



15.8307, 0.3357, 0.5664



15.8307, 0.1209, 0.2336

Rectangle

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



15.8307, 0.2461, 0.1722



15.8307, 0.4548, 0.2546



15.8307, 0.3357, 0.5664



15.8307, 0.1732, 0.4057

Sweetspot

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



15.8313, 0.2461, 0.1722



70.6140, 0.2972, 0.2871



29.2926, 0.2309, 0.2644



14.7877, 0.2949, 0.2812



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.



15.8313, 0.2461, 0.1722



20.7521, 0.2279, 0.1388



21.1061, 0.3045, 0.1956



9.9336, 0.3042, 0.3056



3.5889, 0.1834, 0.0784



0.1948, 0.2096, 0.0928

Inverse Universe

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



21.0792, 0.3712, 0.2453



31.4919, 0.3900, 0.2317



42.5284, 0.3125, 0.4974



10.1794, 0.3195, 0.3150



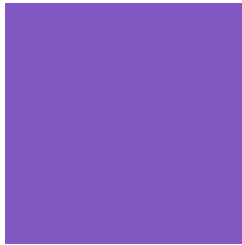
8.4326, 0.4470, 0.2236



0.3775, 0.4117, 0.2042

Previews

White Background



This preview shows how the Yxy color 15.8307, 0.2461, 0.1722 looks on a white background.

Color Contrast Check

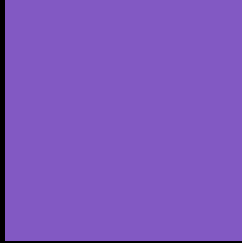
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8307, 0.2461, 0.1722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

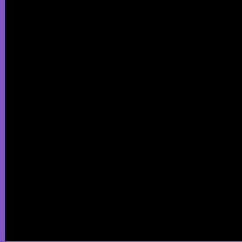
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8307, 0.2461, 0.1722

Background



This preview shows how black text looks on a background with the Yxy color 15.8307, 0.2461, 0.1722.



This preview shows how white text looks on a background with the Yxy color 15.8307, 0.2461, 0.1722.

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

15.8307, 0.2461, 0.1722

Protanopia

16.0234, 0.1859, 0.1596

Deuteranopia

16.0099, 0.1973, 0.1920



Tritanopia

15.7990, 0.3094, 0.3130

Trichromacy



Original Color

15.8307, 0.2461, 0.1722

Protanomaly

15.2390, 0.1992, 0.1601

Deuteranomaly

15.4119, 0.2089, 0.1811

Tritanomaly

15.5401, 0.2840, 0.2506

Monochromacy



Original Color

15.8307, 0.2461, 0.1722

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

15.8057, 0.2851, 0.2573

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8307, 0.2461, 0.1722 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, 89, 195)` looks like.

```
.text, #text, p{  
    color:rgb(130, 89, 195)  
}
```

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, 89, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 89, 195) }
```

Border

The CSS property to change the border of an element to Yxy 15.8307, 0.2461, 0.1722 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, 89, 195) }
```

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

```
.border{ border-color:rgb(130, 89, 195) }
```

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

Here you see how a box with a 4 pixel rgb(130, 89, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 89, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 89, 195);  
box-shadow:4px 4px 4px 4px rgb(130, 89,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8307, 0.2461, 0.1722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 89, 195) }
```

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

```
.background{ background-color: rgb(130, 89,  
195) }
```

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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