

Converting Colors

$Y_{xy}(18.7936, 0.2443, 0.1643)$

Have a look what the booklet for
Yxy(18.7936, 0.2443, 0.1643)
contains.

Yxy(18.7677, 0.2440, 0.1639)	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(18.7677, 0.2440, 0.1639)

Conversions

Conversions Part 1

Format	Color
Hex	905DD9
RGB	144, 93, 217
RGB Percent	56%, 36%, 85%
CMY	0.4353, 0.6353, 0.1490
CMYK	0.34, 0.57, 0.00, 0.15
HSL	265°, 62%, 61%
HSV	265°, 57%, 85%
XYZ	27.9397, 18.7677, 67.7996
YIQ	122.3850, -9.4080, 49.3760

Conversions

Conversions Part 2

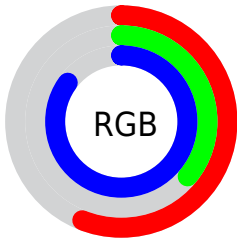
Format	Color
RYB	144, 93, 217
Decimal	9461209
CIELab	50.41, 46.19, -56.28
CIELCh	50, 72.803, 309.374
Yxy	18.7677, 0.2440, 0.1639
Android (android.graphics.Color)	4287651289 (0xFF905DD9)
YUV	122.3850, 46.6452, 18.9564
Hunter-Lab	43.3217, 39.3080, -62.4652

Details

The Yxy color **18.7677, 0.2440, 0.1639** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **58.5283, 0.3530, 0.4859**, and the grayscale version is **19.4418, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8883, 0.2726, 0.2081**, and **6.3757, 0.2175, 0.1225** is the 20% darker color. If you saturate the color by 10%, you get **14.3980, 0.2288, 0.1362**, and if you desaturate by 10%, it is **24.3496, 0.2589, 0.1941**.

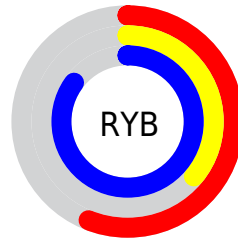
Distribution



Red (56%)

Green (36%)

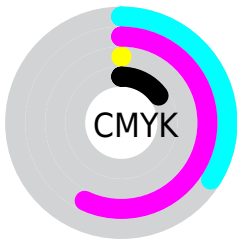
Blue (85%)



Red (56%)

Yellow (36%)

Blue (85%)

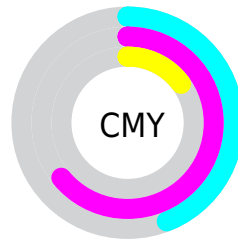


Cyan (34%)

Magenta (57%)

Yellow (0%)

Black (15%)



Cyan (44%)

Magenta (64%)

Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7677, 0.2440, 0.1639 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 18.7677, 0.2440, 0.1639 by changing the saturation by 10% instead.


 18.7677, 0.2440,
0.1639


 18.7677, 0.2440,
0.1639


245.1633, 0.2840,
0.2450


 11.5025, 0.2326,
0.1452


 41.3412, 0.2597,
0.1924

 6.4059, 0.2174,
0.1227


 57.4183, 0.2653,
0.2034

 3.0934, 0.1965,
0.0954


 77.2016, 0.2698,
0.2129

 1.1807, 0.1670,
0.0633

 101.0753, 0.2736,
0.2211

 0.0459, 0.1280,
0.0048

129.4240, 0.2769,
0.2282

 0.0000, 0.0278,
0.0000

162.6319, 0.2796,

 0.0000, 0.0000,

0.2345

0.0000

201.0836, 0.2820,
0.2400

■ 18.7677, 0.2440,
0.1639

■ 18.7677, 0.2440,
0.1639

■ 14.3980, 0.2288,
0.1362

■ 24.3496, 0.2589,
0.1941

■ 11.1399, 0.2139,
0.1125

■ 31.2288, 0.2729,
0.2250

■ 8.8795, 0.2002,
0.0944

■ 39.4851, 0.2856,
0.2555

■ 7.4658, 0.1884,
0.0823

■ 49.1908, 0.2968,
0.2844

■ 7.1455, 0.1853,
0.0794

■ 60.4133, 0.3066,
0.3113

■ 73.2156, 0.3150,
0.3358

■ 87.6571, 0.3221,
0.3578

■ 96.1615, 0.3294,
0.3668

■ 97.7901, 0.3351,
0.3661

Harmonies

Analogous

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



18.7677, 0.1587, 0.1478



18.7677, 0.2440, 0.1639



18.7677, 0.3757, 0.2083

Triad

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



18.7677, 0.2440, 0.1639



18.7677, 0.5341, 0.4344



18.7677, 0.1395, 0.3493

Complementary

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



18.7677, 0.2440, 0.1639



58.5283, 0.3530, 0.4859

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.



18.7677, 0.2180, 0.5183



18.7677, 0.2440, 0.1639



18.7677, 0.4421, 0.5281

Square

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



18.7677, 0.2440, 0.1639



18.7677, 0.5694, 0.3497



18.7677, 0.3291, 0.5869



18.7677, 0.1095, 0.2221

Rectangle

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



18.7677, 0.2440, 0.1639



18.7677, 0.4704, 0.2508



18.7677, 0.3291, 0.5869



18.7677, 0.1602, 0.4064

Sweetspot

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



18.7684, 0.2440, 0.1639



70.8685, 0.2968, 0.2844



35.1238, 0.2260, 0.2566



14.5248, 0.2946, 0.2786



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.



18.7684, 0.2440, 0.1639



19.4368, 0.2250, 0.1298



25.7628, 0.3059, 0.1898



12.8773, 0.3045, 0.3053



4.3837, 0.1867, 0.0802



0.3337, 0.2052, 0.0904

Inverse Universe

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



25.3361, 0.3803, 0.2444



30.2635, 0.4027, 0.2319



53.4473, 0.3109, 0.5087



13.1795, 0.3200, 0.3153



9.8912, 0.4579, 0.2296



0.6578, 0.4295, 0.2140

Previews

White Background



This preview shows how the Yxy color 18.7677, 0.2440, 0.1639 looks on a white background.

Color Contrast Check

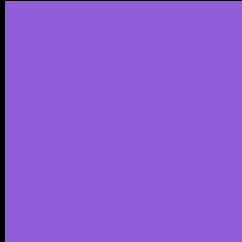
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.7677, 0.2440, 0.1639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

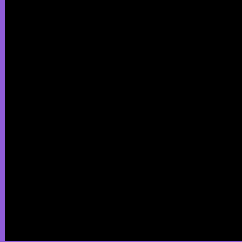
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7677, 0.2440, 0.1639

Background



This preview shows how black text looks on a background with the Yxy color 18.7677, 0.2440, 0.1639.



This preview shows how white text looks on a background with the Yxy color 18.7677, 0.2440, 0.1639.

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

18.7677, 0.2440, 0.1639

Protanopia

19.1817, 0.1784, 0.1502

Deuteranopia

19.1145, 0.1909, 0.1855



Tritanopia

18.6646, 0.3135, 0.3124

Trichromacy



Original Color

18.7677, 0.2440, 0.1639



Protanomaly

18.0072, 0.1906, 0.1508



Deuteranomaly

17.8352, 0.2011, 0.1714



Tritanomaly

18.2149, 0.2850, 0.2438

Monochromacy



Original Color

18.7677, 0.2440, 0.1639



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.5490, 0.2839, 0.2510

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7677, 0.2440, 0.1639 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(144, 93, 217)` looks like.

```
.text, #text, p{  
  color:rgb(144, 93, 217)  
}
```

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(144, 93, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 93, 217) }
```

Border

The CSS property to change the border of an element to Yxy 18.7677, 0.2440, 0.1639 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(144, 93, 217) }
```

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

```
.border{ border-color:rgb(144, 93, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 93, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(144, 93, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(144, 93, 217); box-shadow:4px 4px 4px 4px rgb(144, 93, 217) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7677, 0.2440, 0.1639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 93, 217) }
```

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

```
.background{ background-color: rgb(144, 93,  
217) }
```

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