

Converting Colors

$Y_{xy}(18.1518, 0.2764, 0.1615)$

Have a look what the booklet for
Yxy(18.1518, 0.2764, 0.1615)
contains.

Yxy(18.2389, 0.2759, 0.1616)	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(18.2389, 0.2759, 0.1616)

Conversions

Conversions Part 1

Format	Color
Hex	AC49D3
RGB	172, 73, 211
RGB Percent	67%, 29%, 83%
CMY	0.3258, 0.7134, 0.1727
CMYK	0.19, 0.65, 0.00, 0.17
HSL	283°, 61%, 56%
HSV	283°, 65%, 83%
XYZ	31.1393, 18.2389, 63.4863
YIQ	118.3330, 14.7060, 63.9060

Conversions

Conversions Part 2

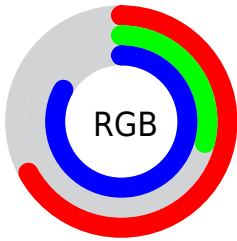
Format	Color
RYB	172, 73, 211
Decimal	11291091
CIELab	49.78, 61.13, -53.66
CIELCh	50, 81.346, 318.724
Yxy	18.2389, 0.2759, 0.1616
Android (android.graphics.Color)	4289481171 (0xFFAC49D3)
YUV	118.3330, 45.6848, 47.0660
Hunter-Lab	42.7070, 55.4138, -58.2428

Details

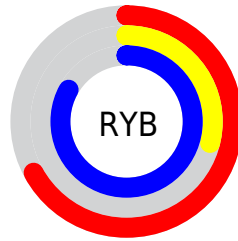
The Yxy color **18.2389, 0.2759, 0.1616** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **50.5069, 0.3245, 0.5255**, and the grayscale version is **18.0837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4813, 0.2964, 0.2004**, and **6.1320, 0.2562, 0.1198** is the 20% darker color. If you saturate the color by 10%, you get **15.2584, 0.2682, 0.1426**, and if you desaturate by 10%, it is **22.1914, 0.2833, 0.1843**.

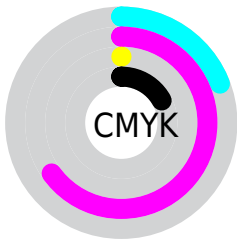
Distribution



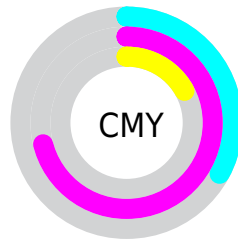
- Red (67%)
- Green (29%)
- Blue (83%)



- Red (67%)
- Yellow (29%)
- Blue (83%)



- Cyan (19%)
- Magenta (65%)
- Yellow (0%)
- Black (17%)





- Cyan (33%)
- Magenta (71%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2389, 0.2759, 0.1616 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 18.2389, 0.2759, 0.1616 by changing the saturation by 10% instead.


 18.2389, 0.2759,
0.1616


 18.2389, 0.2759,
0.1616


242.2142, 0.3000,
0.2430


 11.1216, 0.2682,
0.1430


 40.4440, 0.2860,
0.1901


 6.1487, 0.2574,
0.1205


 56.3006, 0.2893,
0.2012


 2.9357, 0.2417,
0.0934


 75.8391, 0.2921,
0.2107

 1.0983, 0.2179,
0.0616

 99.4440, 0.2943,
0.2189

 0.0000, 0.1854,
0.0000

 127.4995, 0.2961,
0.2261

 0.0000, 0.1064,
0.0000

160.3901, 0.2976,

 0.0000, 0.0000,

0.2324

0.0000

198.5002, 0.2989,
0.2380

■ 18.2389, 0.2759,
0.1616

■ 18.2389, 0.2759,
0.1616

■ 15.2584, 0.2682,
0.1426

■ 22.1914, 0.2833,
0.1843

■ 13.1478, 0.2605,
0.1281

■ 27.1996, 0.2903,
0.2097

■ 11.7857, 0.2531,
0.1184

■ 33.3408, 0.2965,
0.2365

■ 11.3046, 0.2497,
0.1149

■ 40.6841, 0.3021,
0.2637

■ 49.2931, 0.3068,
0.2904

■ 59.2269, 0.3109,
0.3159

■ 70.5408, 0.3142,
0.3399

■ 83.2868, 0.3169,
0.3621

■ 92.3390, 0.3197,
0.3748

Harmonies

Analogous

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



18.2389, 0.1674, 0.1352



18.2389, 0.2759, 0.1616



18.2389, 0.4334, 0.2167

Triad

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



18.2389, 0.2759, 0.1616



18.2389, 0.5225, 0.4667



18.2389, 0.1082, 0.2946

Complementary

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



18.2389, 0.2759, 0.1616



50.5069, 0.3245, 0.5255

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.



18.2389, 0.1725, 0.4891



18.2389, 0.2759, 0.1616



18.2389, 0.4076, 0.5731

Square

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



18.2389, 0.2759, 0.1616



18.2389, 0.5909, 0.3696



18.2389, 0.2835, 0.6181



18.2389, 0.0925, 0.1826

Rectangle

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



18.2389, 0.2759, 0.1616



18.2389, 0.5316, 0.2645



18.2389, 0.2835, 0.6181



18.2389, 0.1233, 0.3529

Sweetspot

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



18.2396, 0.2759, 0.1616



69.0297, 0.3046, 0.2775



17.7412, 0.1992, 0.1739



13.9868, 0.3032, 0.2699



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.



18.2396, 0.2759, 0.1616



22.1586, 0.2655, 0.1370



21.9591, 0.3561, 0.2080



11.8339, 0.3093, 0.3058



6.8786, 0.2508, 0.1155



0.4236, 0.2641, 0.1229

Inverse Universe

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



19.7914, 0.4633, 0.2850



25.2769, 0.5135, 0.2846



48.9706, 0.2900, 0.4985



11.8625, 0.3247, 0.3224



8.5683, 0.5805, 0.2971



0.4928, 0.5271, 0.2677

Previews

White Background



This preview shows how the Yxy color 18.2389, 0.2759, 0.1616 looks on a white background.

Color Contrast Check

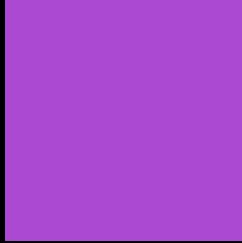
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.2389, 0.2759, 0.1616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

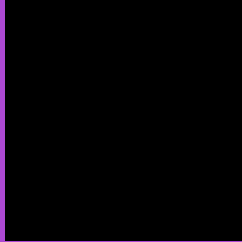
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2389, 0.2759, 0.1616

Background



This preview shows how black text looks on a background with the Yxy color 18.2389, 0.2759, 0.1616.



This preview shows how white text looks on a background with the Yxy color 18.2389, 0.2759, 0.1616.

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

18.2389, 0.2759, 0.1616

Protanopia

18.5057, 0.1735, 0.1447

Deuteranopia

18.5671, 0.1984, 0.1932



Tritanopia

18.2164, 0.3788, 0.3176

Trichromacy



Original Color

18.2389, 0.2759, 0.1616



Protanomaly

15.7500, 0.1833, 0.1379



Deuteranomaly

16.7609, 0.2152, 0.1716



Tritanomaly

17.6167, 0.3371, 0.2466

Monochromacy



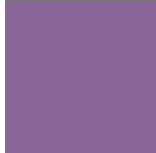
Original Color

18.2389, 0.2759, 0.1616



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

17.1730, 0.2986, 0.2454

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2389, 0.2759, 0.1616 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(172, 73, 211)` looks like.

```
.text, #text, p{  
    color:rgb(172, 73, 211)  
}
```

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(172, 73, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 73, 211) }
```

Border

The CSS property to change the border of an element to Yxy 18.2389, 0.2759, 0.1616 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(172, 73, 211) }
```

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

```
.border{ border-color:rgb(172, 73, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 73, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 73, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 73, 211);  
box-shadow:4px 4px 4px 4px rgb(172, 73,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2389, 0.2759, 0.1616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 73, 211) }
```

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

```
.background{ background-color: rgb(172, 73,  
211) }
```

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