

Converting Colors

$Y_{xy}(18.3609, 0.2438, 0.1374)$

Have a look what the booklet for
Yxy(18.3609, 0.2438, 0.1374)
contains.

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Color

Yxy(18.3609, 0.2438, 0.1374)

Conversions

Conversions Part 1

Format	Color
Hex	A247EE
RGB	162, 71, 238
RGB Percent	64%, 28%, 93%
CMY	0.3648, 0.7214, 0.0668
CMYK	0.32, 0.70, 0.00, 0.07
HSL	273°, 83%, 61%
HSV	273°, 70%, 93%
XYZ	32.5792, 18.3609, 82.6909
YIQ	117.2470, 0.6290, 71.2290

Conversions

Conversions Part 2

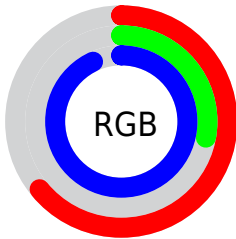
Format	Color
RYB	162, 71, 238
Decimal	10635246
CIELab	49.93, 65.74, -68.80
CIELCh	50, 95.155, 313.697
Yxy	18.3609, 0.2438, 0.1374
Android (android.graphics.Color)	4288825326 (0xFFA247EE)
YUV	117.2470, 59.5312, 39.2484
Hunter-Lab	42.8496, 60.7295, -84.4226

Details

The Yxy color **18.3609, 0.2438, 0.1374** 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 **67.7907, 0.3410, 0.5285**, and the grayscale version is **17.6852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5139, 0.2885, 0.1956**, and **6.2198, 0.2166, 0.0967** is the 20% darker color. If you saturate the color by 10%, you get **14.8170, 0.2316, 0.1174**, and if you desaturate by 10%, it is **23.1882, 0.2561, 0.1618**.

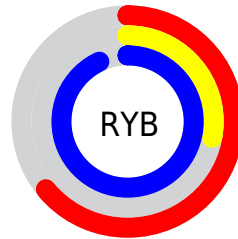
Distribution



Red (64%)

Green (28%)

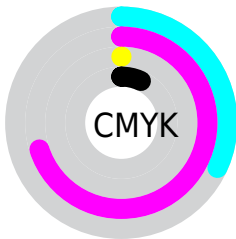
Blue (93%)



Red (64%)

Yellow (28%)

Blue (93%)

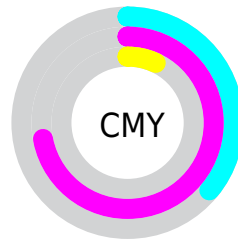


Cyan (32%)

Magenta (70%)

Yellow (0%)

Black (7%)



Cyan (36%)


Magenta (72%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3609, 0.2438, 0.1374 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 18.3609, 0.2438, 0.1374 by changing the saturation by 10% instead.


 18.3609, 0.2438,
0.1374


 18.3609, 0.2438,
0.1374


242.8975, 0.2849,
0.2265


 11.2094, 0.2322,
0.1185


 40.6513, 0.2599,
0.1675


 6.2079, 0.2170,
0.0966


 56.5591, 0.2656,
0.1795

 2.9719, 0.1965,
0.0715


 76.1543, 0.2703,
0.1900

 1.1171, 0.1683,
0.0442

 99.8215, 0.2742,
0.1991

 0.0000, 0.1320,
0.0000

 127.9450, 0.2775,
0.2072

 0.0000, 0.0751,
0.0000

160.9093, 0.2803,

 0.0000, 0.0000,

0.2144

0.0000

199.0986, 0.2828,
0.2208

■ 18.3609, 0.2438,
0.1374

■ 18.3609, 0.2438,
0.1374

■ 14.8170, 0.2316,
0.1174

■ 23.1882, 0.2561,
0.1618

■ 12.4048, 0.2202,
0.1026

■ 29.4231, 0.2680,
0.1893

■ 10.8893, 0.2098,
0.0930

■ 37.1764, 0.2792,
0.2184

■ 46.5474, 0.2893,
0.2477

■ 57.6264, 0.2983,
0.2763

70.4972, 0.3060,
0.3034

85.2378, 0.3126,
0.3286

97.7644, 0.3186,
0.3456

98.9512, 0.3226,
0.3454

Harmonies

Analogous

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



18.3609, 0.1376, 0.1151



18.3609, 0.2438, 0.1374



18.3609, 0.4182, 0.1907

Triad

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



18.3609, 0.2438, 0.1374



18.3609, 0.5545, 0.4455



18.3609, 0.0922, 0.3160

Complementary

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



18.3609, 0.2438, 0.1374



67.7907, 0.3410, 0.5285

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.



18.3609, 0.1665, 0.5604



18.3609, 0.2438, 0.1374



18.3609, 0.4259, 0.5741

Square

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



18.3609, 0.2438, 0.1374



18.3609, 0.6274, 0.3445



18.3609, 0.2881, 0.6672



18.3609, 0.0727, 0.1756

Rectangle

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



18.3609, 0.2438, 0.1374



18.3609, 0.5401, 0.2393



18.3609, 0.2881, 0.6672



18.3609, 0.1098, 0.3913

Sweetspot

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



18.3615, 0.2438, 0.1374



66.1300, 0.2975, 0.2737



28.9868, 0.2016, 0.2031



13.3530, 0.2951, 0.2659



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.



18.3615, 0.2438, 0.1374



16.0106, 0.2268, 0.1106



28.5316, 0.3257, 0.1783



15.6530, 0.3065, 0.3052



6.1549, 0.2114, 0.0938



0.5711, 0.2250, 0.1013

Inverse Universe

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



24.7896, 0.4378, 0.2537



24.6757, 0.4770, 0.2524



63.0015, 0.3005, 0.5489



15.8785, 0.3222, 0.3183



10.7744, 0.5148, 0.2610



0.9162, 0.4828, 0.2433

Previews

White Background



This preview shows how the Yxy color 18.3609, 0.2438, 0.1374 looks on a white background.

Color Contrast Check

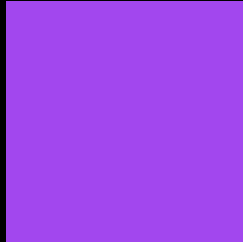
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3609, 0.2438, 0.1374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

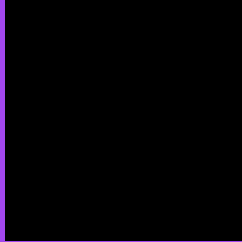
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3609, 0.2438, 0.1374

Background



This preview shows how black text looks on a background with the Yxy color 18.3609, 0.2438, 0.1374.



This preview shows how white text looks on a background with the Yxy color 18.3609, 0.2438, 0.1374.

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

18.3609, 0.2438, 0.1374

Protanopia

18.7325, 0.1739, 0.1460

Deuteranopia

18.4282, 0.1835, 0.1807



Tritanopia

18.2762, 0.3416, 0.3149

Trichromacy



Original Color

18.3609, 0.2438, 0.1374



Protanomaly

16.2044, 0.1793, 0.1312



Deuteranomaly

15.8508, 0.1859, 0.1496



Tritanomaly

17.2703, 0.2996, 0.2258

Monochromacy



Original Color

18.3609, 0.2438, 0.1374



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

16.6741, 0.2823, 0.2278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3609, 0.2438, 0.1374 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(162, 71, 238)` looks like.

```
.text, #text, p{  
    color:rgb(162, 71, 238)  
}
```

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(162, 71, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 71, 238) }
```

Border

The CSS property to change the border of an element to Yxy 18.3609, 0.2438, 0.1374 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(162, 71, 238) }
```

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

```
.border{ border-color:rgb(162, 71, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 71, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 71, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 71, 238);  
box-shadow:4px 4px 4px 4px rgb(162, 71,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3609, 0.2438, 0.1374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 71, 238) }
```

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

```
.background{ background-color: rgb(162, 71,  
238) }
```

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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