

Converting Colors

$Y_{xy}(18.8923, 0.2414, 0.1358)$

Have a look what the booklet for
Yxy(18.8923, 0.2414, 0.1358)
contains.

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Color

Yxy(18.8923, 0.2414, 0.1358)

Conversions

Conversions Part 1

Format	Color
Hex	A348F3
RGB	163, 72, 243
RGB Percent	64%, 28%, 95%
CMY	0.3611, 0.7173, 0.0472
CMYK	0.33, 0.70, 0.00, 0.05
HSL	272°, 88%, 62%
HSV	272°, 70%, 95%
XYZ	33.5832, 18.8923, 86.6430
YIQ	118.7030, -0.6550, 72.4730

Conversions

Conversions Part 2

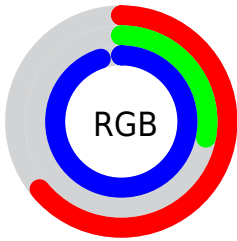
Format	Color
R _Y B	163, 72, 243
Decimal	10701043
CIE Lab	50.56, 66.58, -70.57
CIE LCh	51, 97.023, 313.332
Yxy	18.8923, 0.2414, 0.1358
Android (android.graphics.Color)	4288891123 (0xFFA348F3)
YUV	118.7030, 61.2784, 38.8485
Hunter-Lab	43.4653, 61.8529, -87.7621

Details

The Yxy color **18.8923, 0.2414, 0.1358** is a light color, and the websafe version is hex **9933CC**. The color can be described as light washed purple. A complement of this color would be **71.2368, 0.3424, 0.5281**, and the grayscale version is **18.1599, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0867, 0.2903, 0.1972**, and **6.4882, 0.2143, 0.0954** is the 20% darker color. If you saturate the color by 10%, you get **15.1970, 0.2290, 0.1157**, and if you desaturate by 10%, it is **23.9377, 0.2540, 0.1604**.

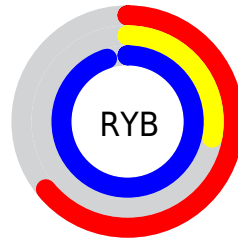
Distribution



Red (64%)

Green (28%)

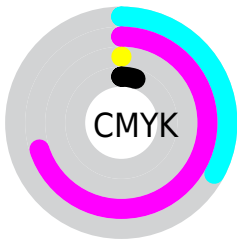
Blue (95%)



Red (64%)

Yellow (28%)

Blue (95%)

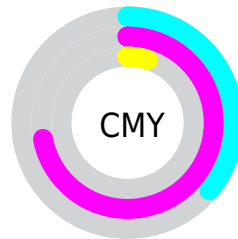


Cyan (33%)

Magenta (70%)

Yellow (0%)

Black (5%)



Cyan (36%)


Magenta (72%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.8923, 0.2414, 0.1358 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 18.8923, 0.2414, 0.1358 by changing the saturation by 10% instead.


 18.8923, 0.2414,
0.1358


 18.8923, 0.2414,
0.1358


245.8536, 0.2835,
0.2249


 11.5925, 0.2297,
0.1171


 41.5520, 0.2578,
0.1657

 6.4668, 0.2144,
0.0955


 57.6807, 0.2636,
0.1777


 3.1310, 0.1940,
0.0709


 77.5212, 0.2685,
0.1882

 1.2005, 0.1662,
0.0442

 101.4578, 0.2725,
0.1974

 0.0621, 0.1304,
0.0041

 129.8749, 0.2759,
0.2055

 0.0000, 0.0780,
0.0000

163.1570, 0.2788,

 0.0000, 0.0000,

0.2127

0.0000

201.6884, 0.2813,
0.2191

■ 18.8923, 0.2414,
0.1358

■ 18.8923, 0.2414,
0.1358

■ 15.1970, 0.2290,
0.1157

■ 23.9377, 0.2540,
0.1604

■ 12.6912, 0.2173,
0.1009


■ 30.4646, 0.2664,
0.1881


■ 11.1489, 0.2070,
0.0914


■ 38.5903, 0.2779,
0.2174


■ 48.4194, 0.2884,
0.2469

■ 60.0476, 0.2976,
0.2757

 73.5631, 0.3057,
0.3029

 89.0484, 0.3125,
0.3282

 99.0537, 0.3191,
0.3406

 99.2490, 0.3197,
0.3406

Harmonies

Analogous

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



18.8923, 0.1356, 0.1139



18.8923, 0.2414, 0.1358



18.8923, 0.4166, 0.1889

Triad

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



18.8923, 0.2414, 0.1358



18.8923, 0.5565, 0.4435



18.8923, 0.0913, 0.3180

Complementary

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



18.8923, 0.2414, 0.1358



71.2368, 0.3424, 0.5281

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.



18.8923, 0.1662, 0.5660



18.8923, 0.2414, 0.1358



18.8923, 0.4269, 0.5731

Square

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



18.8923, 0.2414, 0.1358



18.8923, 0.6298, 0.3426



18.8923, 0.2884, 0.6700



18.8923, 0.0714, 0.1753

Rectangle

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



18.8923, 0.2414, 0.1358



18.8923, 0.5402, 0.2375



18.8923, 0.2884, 0.6700



18.8923, 0.1090, 0.3947

Sweetspot

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



18.8930, 0.2414, 0.1358



66.0128, 0.2970, 0.2736



31.1847, 0.2023, 0.2067



13.3251, 0.2945, 0.2658



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.



18.8930, 0.2414, 0.1358



15.7282, 0.2243, 0.1093



29.9921, 0.3228, 0.1760



16.3604, 0.3063, 0.3051



6.2019, 0.2086, 0.0923



0.6062, 0.2217, 0.0995

Inverse Universe

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



25.9649, 0.4351, 0.2513



24.7590, 0.4724, 0.2497



65.9686, 0.3013, 0.5523



16.6117, 0.3220, 0.3180



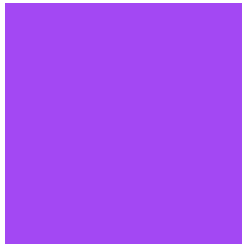
11.1491, 0.5094, 0.2580



1.0005, 0.4797, 0.2416

Previews

White Background



This preview shows how the Yxy color 18.8923, 0.2414, 0.1358 looks on a white background.

Color Contrast Check

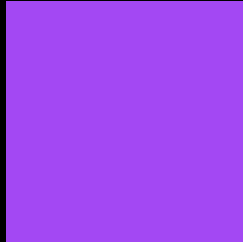
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8923, 0.2414, 0.1358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

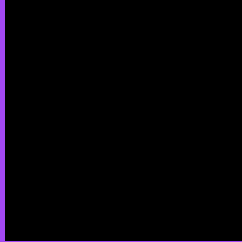
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8923, 0.2414, 0.1358

Background



This preview shows how black text looks on a background with the Yxy color 18.8923, 0.2414, 0.1358.



This preview shows how white text looks on a background with the Yxy color 18.8923, 0.2414, 0.1358.

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

18.8923, 0.2414, 0.1358

Protanopia

19.1446, 0.1737, 0.1454

Deuteranopia

19.0210, 0.1839, 0.1820



Tritanopia

18.7908, 0.3372, 0.3132

Trichromacy



Original Color

18.8923, 0.2414, 0.1358



Protanomaly

16.6367, 0.1786, 0.1301



Deuteranomaly

16.2667, 0.1851, 0.1480



Tritanomaly

17.7844, 0.2951, 0.2236

Monochromacy



Original Color

18.8923, 0.2414, 0.1358



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

17.3340, 0.2817, 0.2277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8923, 0.2414, 0.1358 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(163, 72, 243)` looks like.

```
.text, #text, p{  
    color:rgb(163, 72, 243)  
}
```

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(163, 72, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 72, 243) }
```

Border

The CSS property to change the border of an element to Yxy 18.8923, 0.2414, 0.1358 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(163, 72, 243) }
```

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

```
.border{ border-color:rgb(163, 72, 243) }
```

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

Here you see how a box with a 4 pixel rgb(163, 72, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 72, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 72, 243);  
box-shadow:4px 4px 4px 4px rgb(163, 72,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8923, 0.2414, 0.1358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 72, 243) }
```

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

```
.background{ background-color: rgb(163, 72,  
243) }
```

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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