

Converting Colors

$Y_{xy}(19.0926, 0.2456, 0.1382)$

Have a look what the booklet for
Yxy(19.0926, 0.2456, 0.1382)
contains.

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Color

Yxy(19.0926, 0.2456, 0.1382)

Conversions

Conversions Part 1

Format	Color
Hex	A648F1
RGB	166, 72, 241
RGB Percent	65%, 28%, 95%
CMY	0.3488, 0.7178, 0.0548
CMYK	0.31, 0.70, 0.00, 0.05
HSL	273°, 86%, 61%
HSV	273°, 70%, 95%
XYZ	33.9301, 19.0926, 85.1292
YIQ	119.3720, 1.7750, 72.4870

Conversions

Conversions Part 2

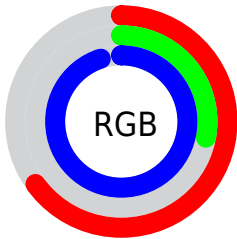
Format	Color
R _Y B	166, 72, 241
Decimal	10897649
CIE Lab	50.80, 66.78, -69.08
CIE LCh	51, 96.085, 314.029
Yxy	19.0926, 0.2456, 0.1382
Android (android.graphics.Color)	4289087729 (0xFFA648F1)
YUV	119.3720, 59.9626, 40.8928
Hunter-Lab	43.6951, 62.1425, -84.9256

Details

The Yxy color **19.0926, 0.2456, 0.1382** 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 **69.5836, 0.3397, 0.5294**, and the grayscale version is **18.3744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5675, 0.2929, 0.1982**, and **6.5865, 0.2192, 0.0981** is the 20% darker color. If you saturate the color by 10%, you get **15.4585, 0.2337, 0.1184**, and if you desaturate by 10%, it is **24.0442, 0.2576, 0.1624**.

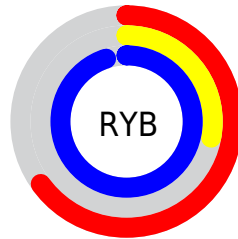
Distribution



Red (65%)

Green (28%)

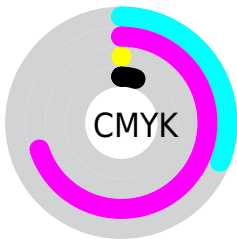
Blue (95%)



Red (65%)

Yellow (28%)

Blue (95%)

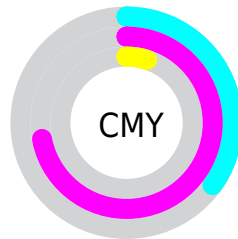


Cyan (31%)

Magenta (70%)

Yellow (0%)

Black (5%)



Cyan (35%)


Magenta (72%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.0926, 0.2456, 0.1382 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 19.0926, 0.2456, 0.1382 by changing the saturation by 10% instead.


 19.0926, 0.2456,
0.1382


 19.0926, 0.2456,
0.1382


246.9595, 0.2855,
0.2264


 11.7372, 0.2344,
0.1196


 41.8905, 0.2612,
0.1679


 6.5650, 0.2196,
0.0980


 58.1018, 0.2668,
0.1798


 3.1916, 0.1998,
0.0732


 78.0339, 0.2714,
0.1902

 1.2326, 0.1725,
0.0462

 102.0711, 0.2752,
0.1992

 0.0881, 0.1370,
0.0059

 130.5979, 0.2784,
0.2073

 0.0000, 0.0844,
0.0000

163.9986, 0.2811,

 0.0000, 0.0000,

0.2144

0.0000

202.6577, 0.2835,
0.2207

■ 19.0926, 0.2456,
0.1382

■ 19.0926, 0.2456,
0.1382

■ 15.4585, 0.2337,
0.1184

■ 24.0442, 0.2576,
0.1624

■ 12.9855, 0.2224,
0.1038


■ 30.4412, 0.2693,
0.1897


■ 11.4324, 0.2122,
0.0943


■ 38.3980, 0.2801,
0.2186


■ 48.0166, 0.2900,
0.2478

■ 59.3901, 0.2987,
0.2764

 72.6048, 0.3062,
0.3035

 87.7409, 0.3126,
0.3286

 98.4831, 0.3187,
0.3425

 99.1319, 0.3208,
0.3424

Harmonies

Analogous

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



19.0926, 0.1388, 0.1156



19.0926, 0.2456, 0.1382



19.0926, 0.4201, 0.1918

Triad

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



19.0926, 0.2456, 0.1382



19.0926, 0.5530, 0.4470



19.0926, 0.0922, 0.3139

Complementary

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



19.0926, 0.2456, 0.1382



69.5836, 0.3397, 0.5294

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.



19.0926, 0.1658, 0.5569



19.0926, 0.2456, 0.1382



19.0926, 0.4246, 0.5754

Square

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



19.0926, 0.2456, 0.1382



19.0926, 0.6264, 0.3457



19.0926, 0.2870, 0.6665



19.0926, 0.0731, 0.1751

Rectangle

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



19.0926, 0.2456, 0.1382



19.0926, 0.5412, 0.2404



19.0926, 0.2870, 0.6665



19.0926, 0.1096, 0.3885

Sweetspot

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



19.0933, 0.2456, 0.1382



66.2349, 0.2980, 0.2738



28.9177, 0.2005, 0.1990



13.3779, 0.2956, 0.2660



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.



19.0933, 0.2456, 0.1382



16.2679, 0.2290, 0.1117



29.1908, 0.3286, 0.1802



15.6625, 0.3067, 0.3052



6.2798, 0.2138, 0.0952



0.5813, 0.2273, 0.1026

Inverse Universe

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



25.4365, 0.4409, 0.2557



24.6034, 0.4811, 0.2548



64.8820, 0.2996, 0.5462



15.8753, 0.3224, 0.3186



10.7413, 0.5197, 0.2637



0.9133, 0.4871, 0.2457

Previews

White Background



This preview shows how the Yxy color 19.0926, 0.2456, 0.1382 looks on a white background.

Color Contrast Check

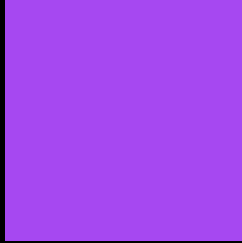
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.0926, 0.2456, 0.1382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

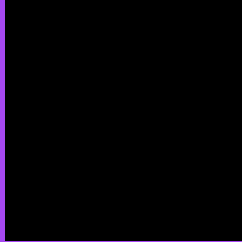
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.0926, 0.2456, 0.1382

Background



This preview shows how black text looks on a background with the Yxy color 19.0926, 0.2456, 0.1382.



This preview shows how white text looks on a background with the Yxy color 19.0926, 0.2456, 0.1382.

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

19.0926, 0.2456, 0.1382

Protanopia

19.4380, 0.1739, 0.1460

Deuteranopia

19.3732, 0.1838, 0.1817



Tritanopia

18.8981, 0.3441, 0.3135

Trichromacy



Original Color

19.0926, 0.2456, 0.1382



Protanomaly

16.8606, 0.1793, 0.1314



Deuteranomaly

16.5001, 0.1858, 0.1495



Tritanomaly

17.9414, 0.3011, 0.2250

Monochromacy



Original Color

19.0926, 0.2456, 0.1382



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

17.3813, 0.2840, 0.2294

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0926, 0.2456, 0.1382 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(166, 72, 241)` looks like.

```
.text, #text, p{  
    color:rgb(166, 72, 241)  
}
```

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(166, 72, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 72, 241) }
```

Border

The CSS property to change the border of an element to Yxy 19.0926, 0.2456, 0.1382 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(166, 72, 241) }
```

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

```
.border{ border-color:rgb(166, 72, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 72, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 72, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 72, 241);  
box-shadow:4px 4px 4px 4px rgb(166, 72,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 19.0926, 0.2456, 0.1382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 72, 241) }
```

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

```
.background{ background-color: rgb(166, 72,  
241) }
```

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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