

Converting Colors

$Yxy(15.8412, 0.2623, 0.1490)$

Have a look what the booklet for
Yxy(15.8412, 0.2623, 0.1490)
contains.

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Color

Yxy(15.8047, 0.2620, 0.1488)

Conversions

Conversions Part 1

Format	Color
Hex	9F41D2
RGB	159, 65, 210
RGB Percent	62%, 25%, 82%
CMY	0.3764, 0.7452, 0.1763
CMYK	0.24, 0.69, 0.00, 0.18
HSL	279°, 62%, 54%
HSV	279°, 69%, 82%
XYZ	27.8282, 15.8047, 62.5815
YIQ	109.6360, 9.4790, 65.0230

Conversions

Conversions Part 2

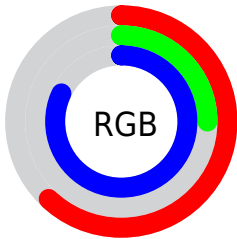
Format	Color
R _Y B	159, 65, 210
Decimal	10437074
CIE Lab	46.72, 61.68, -58.15
CIE LCh	47, 84.771, 316.684
Yxy	15.8047, 0.2620, 0.1488
Android (android.graphics.Color)	4288627154 (0xFF9F41D2)
YUV	109.6360, 49.4795, 43.2922
Hunter-Lab	39.7551, 55.3766, -65.5042

Details

The Yxy color **15.8047, 0.2620, 0.1488** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **50.2053, 0.3304, 0.5315**, and the grayscale version is **15.3351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.4047, 0.2848, 0.1889**, and **5.1579, 0.2384, 0.1087** is the 20% darker color. If you saturate the color by 10%, you get **13.0942, 0.2524, 0.1300**, and if you desaturate by 10%, it is **19.4574, 0.2715, 0.1716**.

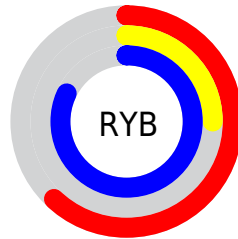
Distribution



Red (62%)

Green (25%)

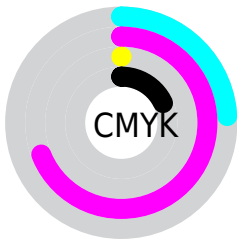
Blue (82%)



Red (62%)

Yellow (25%)

Blue (82%)

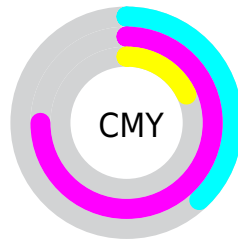


Cyan (24%)

Magenta (69%)

Yellow (0%)

Black (18%)



Cyan (38%)

Magenta (75%)

Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8047, 0.2620, 0.1488 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 15.8047, 0.2620, 0.1488 by changing the saturation by 10% instead.


 15.8047, 0.2620,
0.1488


 15.8047, 0.2620,
0.1488


228.1865, 0.2943,
0.2367

 9.3861, 0.2519,
0.1290


 36.2588, 0.2753,
0.1795


 4.9938, 0.2380,
0.1052


 51.0631, 0.2799,
0.1914

 2.2436, 0.2181,
0.0773


 69.4314, 0.2835,
0.2017

 0.7436, 0.1887,
0.0454

 91.7480, 0.2865,
0.2106

 0.0000, 0.1467,
0.0000

 118.3975, 0.2890,
0.2184

 0.0000, 0.0310,
0.0000

149.7641, 0.2910,

 0.0000, 0.0000,

0.2252

0.0000

186.2323, 0.2928,
0.2313

■ 15.8047, 0.2620,
0.1488

■ 15.8047, 0.2620,
0.1488

■ 13.0942, 0.2524,
0.1300

■ 19.4574, 0.2715,
0.1716

■ 11.2182, 0.2431,
0.1161

■ 24.1406, 0.2805,
0.1974

■ 10.0045, 0.2342,
0.1067

■ 29.9338, 0.2888,
0.2248

■ 9.9042, 0.2334,
0.1059

■ 36.9083, 0.2963,
0.2528

■ 45.1292, 0.3028,
0.2803

■ 54.6570, 0.3084,
0.3066

■ 65.5478, 0.3131,
0.3312

■ 77.8548, 0.3170,
0.3540

■ 91.6279, 0.3202,
0.3748

Harmonies

Analogous

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



15.8047, 0.1524, 0.1238



15.8047, 0.2620, 0.1488



15.8047, 0.4308, 0.2039

Triad

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



15.8047, 0.2620, 0.1488



15.8047, 0.5395, 0.4605



15.8047, 0.0978, 0.3005

Complementary

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



15.8047, 0.2620, 0.1488



50.2053, 0.3304, 0.5315

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.



15.8047, 0.1663, 0.5214



15.8047, 0.2620, 0.1488



15.8047, 0.4173, 0.5827

Square

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



15.8047, 0.2620, 0.1488



15.8047, 0.6109, 0.3582



15.8047, 0.2830, 0.6474



15.8047, 0.0810, 0.1762

Rectangle

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



15.8047, 0.2620, 0.1488



15.8047, 0.5412, 0.2525



15.8047, 0.2830, 0.6474



15.8047, 0.1139, 0.3669

Sweetspot

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



15.8053, 0.2620, 0.1488



67.0652, 0.3015, 0.2744



18.7724, 0.1979, 0.1829



13.5758, 0.2997, 0.2667



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.



15.8053, 0.2620, 0.1488



18.7455, 0.2478, 0.1226



21.2324, 0.3431, 0.1925



11.7924, 0.3082, 0.3057



6.0970, 0.2347, 0.1066



0.3843, 0.2507, 0.1155

Inverse Universe

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



18.7447, 0.4594, 0.2723



24.3160, 0.5095, 0.2730



47.8799, 0.2950, 0.5261



11.8759, 0.3236, 0.3209



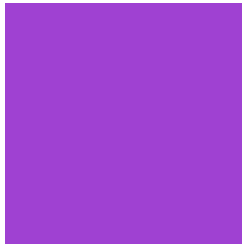
8.6755, 0.5554, 0.2833



0.5000, 0.5040, 0.2550

Previews

White Background



This preview shows how the Yxy color 15.8047, 0.2620, 0.1488 looks on a white background.

Color Contrast Check

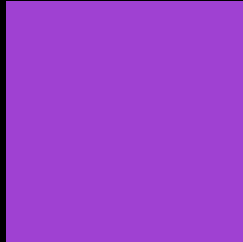
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8047, 0.2620, 0.1488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

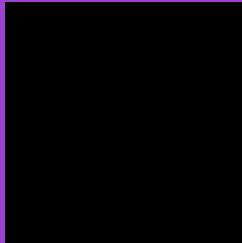
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8047, 0.2620, 0.1488

Background



This preview shows how black text looks on a background with the Yxy color 15.8047, 0.2620, 0.1488.



This preview shows how white text looks on a background with the Yxy color 15.8047, 0.2620, 0.1488.

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

15.8047, 0.2620, 0.1488

Protanopia

16.0614, 0.1739, 0.1461

Deuteranopia

15.9804, 0.1831, 0.1792



Tritanopia

15.7151, 0.3670, 0.3166

Trichromacy



Original Color

15.8047, 0.2620, 0.1488



Protanomaly

13.7743, 0.1817, 0.1344



Deuteranomaly

13.6249, 0.1884, 0.1525



Tritanomaly

15.1259, 0.3227, 0.2364

Monochromacy



Original Color

15.8047, 0.2620, 0.1488



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

14.6699, 0.2926, 0.2372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8047, 0.2620, 0.1488 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(159, 65, 210)` looks like.

```
.text, #text, p{  
    color:rgb(159, 65, 210)  
}
```

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(159, 65, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 65, 210) }
```

Border

The CSS property to change the border of an element to Yxy 15.8047, 0.2620, 0.1488 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(159, 65, 210) }
```

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

```
.border{ border-color:rgb(159, 65, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 65, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 65, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 65, 210);  
box-shadow:4px 4px 4px 4px rgb(159, 65,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8047, 0.2620, 0.1488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 65, 210) }
```

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

```
.background{ background-color: rgb(159, 65,  
210) }
```

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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