

Converting Colors

$Y_{xy}(15.4357, 0.2317, 0.1109)$

Have a look what the booklet for
Yxy(15.4357, 0.2317, 0.1109)
contains.

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Color

Yxy(15.4634, 0.2315, 0.1109)

Conversions

Conversions Part 1

Format	Color
Hex	A021FA
RGB	160, 33, 250
RGB Percent	63%, 13%, 98%
CMY	0.3729, 0.8698, 0.0198
CMYK	0.36, 0.87, 0.00, 0.02
HSL	275°, 96%, 56%
HSV	275°, 87%, 98%
XYZ	32.2793, 15.4634, 91.6928
YIQ	95.7110, 6.0350, 94.4110

Conversions

Conversions Part 2

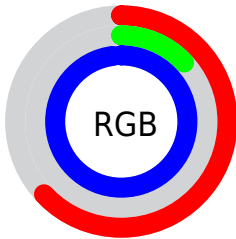
Format	Color
R _Y B	160, 33, 250
Decimal	10494458
CIE Lab	46.26, 80.47, -81.52
CIE LCh	46, 114.546, 314.630
Yxy	15.4634, 0.2315, 0.1109
Android (android.graphics.Color)	4288684538 (0xFFA021FA)
YUV	95.7110, 76.0645, 56.3815
Hunter-Lab	39.3235, 77.7083, -110.7232

Details

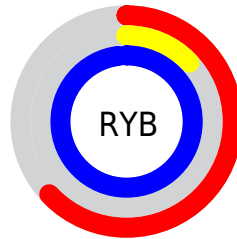
The Yxy color **15.4634, 0.2315, 0.1109** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **72.6855, 0.3317, 0.5653**, and the grayscale version is **11.4581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5158, 0.2879, 0.1734**, and **6.4024, 0.2041, 0.0898** is the 20% darker color. If you saturate the color by 10%, you get **13.5182, 0.2213, 0.1003**, and if you desaturate by 10%, it is **18.5252, 0.2425, 0.1268**.

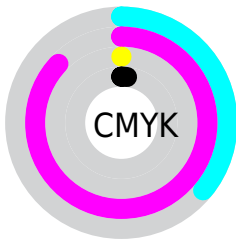
Distribution



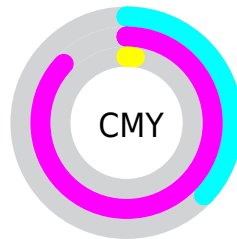
- Red (63%)
- Green (13%)
- Blue (98%)



- Red (63%)
- Yellow (13%)
- Blue (98%)



- Cyan (36%)
- Magenta (87%)
- Yellow (0%)
- Black (2%)





- Cyan (37%)
- Magenta (87%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4634, 0.2315, 0.1109 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 15.4634, 0.2315, 0.1109 by changing the saturation by 10% instead.


 15.4634, 0.2315,
0.1109


 15.4634, 0.2315,
0.1109


 226.1542, 0.2804,
0.2085


 9.1453, 0.2180,
0.0917


 35.6641, 0.2505,
0.1427


 4.8360, 0.2005,
0.0704


 50.3154, 0.2574,
0.1558


 2.1514, 0.1776,
0.0475


 68.5133, 0.2630,
0.1673

 0.6933, 0.1474,
0.0245

 90.6421, 0.2677,
0.1775

 0.0000, 0.1090,
0.0000

 117.0861, 0.2716,
0.1866

 0.0000, 0.0577,
0.0000

 148.2299, 0.2750,

 0.0000, 0.0000,

0.1947

0.0000

184.4578, 0.2779,
0.2020

■ 15.4634, 0.2315,
0.1109

■ 15.4634, 0.2315,
0.1109

■ 13.5182, 0.2213,
0.1003

■ 18.5252, 0.2425,
0.1268

■ 13.0230, 0.2181,
0.0975

■ 22.9010, 0.2538,
0.1478

■ 28.7490, 0.2650,
0.1726

■ 36.2043, 0.2758,
0.2002

■ 45.3859, 0.2856,
0.2290

■ 56.4015, 0.2945,
0.2579

■ 69.3496, 0.3022,
0.2859

■ 84.3218, 0.3089,
0.3123

■ 99.3710, 0.3146,
0.3338

Harmonies

Analogous

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



15.4634, 0.1130, 0.0875



15.4634, 0.2315, 0.1109



15.4634, 0.4476, 0.1675

Triad

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



15.4634, 0.2315, 0.1109



15.4634, 0.5673, 0.4327



15.4634, 0.0562, 0.2924

Complementary

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



15.4634, 0.2315, 0.1109



72.6855, 0.3317, 0.5653

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.



15.4634, 0.1214, 0.6268



15.4634, 0.2315, 0.1109



15.4634, 0.4030, 0.5970

Square

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



15.4634, 0.2315, 0.1109



15.4634, 0.6781, 0.3219



15.4634, 0.2460, 0.7540



15.4634, 0.0449, 0.1398

Rectangle

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



15.4634, 0.2315, 0.1109



15.4634, 0.6005, 0.2182



15.4634, 0.2460, 0.7540



15.4634, 0.0700, 0.3883

Sweetspot

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



15.4639, 0.2315, 0.1109



59.8922, 0.2951, 0.2599



21.5200, 0.1790, 0.1539



11.9056, 0.2921, 0.2499



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.



15.4639, 0.2315, 0.1109



13.6172, 0.2180, 0.0975



27.2355, 0.3398, 0.1698



17.1443, 0.3071, 0.3051



6.9967, 0.2197, 0.0984



0.7102, 0.2314, 0.1048

Inverse Universe

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



22.8511, 0.4987, 0.2617



22.2989, 0.5363, 0.2728



68.9143, 0.2978, 0.5795



17.3448, 0.3228, 0.3192



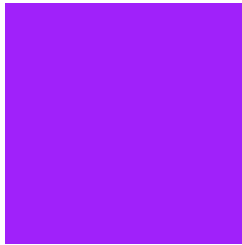
11.3360, 0.5319, 0.2704



1.0705, 0.5009, 0.2533

Previews

White Background



This preview shows how the Yxy color 15.4634, 0.2315, 0.1109 looks on a white background.

Color Contrast Check

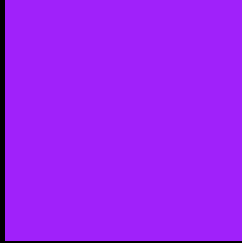
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.4634, 0.2315, 0.1109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

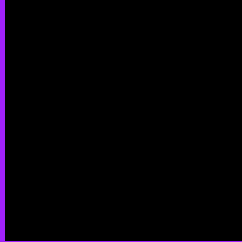
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 15.4634, 0.2315, 0.1109

Background



This preview shows how black text looks on a background with the Yxy color 15.4634, 0.2315, 0.1109.



This preview shows how white text looks on a background with the Yxy color 15.4634, 0.2315, 0.1109.

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

15.4634, 0.2315, 0.1109

Protanopia

15.6358, 0.1743, 0.1476

Tritanopia

15.3980, 0.3485, 0.3141

Trichromacy



Original Color

15.4634, 0.2315, 0.1109



Protanomaly

12.5201, 0.1751, 0.1135



Tritanomaly

13.5466, 0.2953, 0.1974

Monochromacy



Original Color

15.4634, 0.2315, 0.1109



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

10.9540, 0.2718, 0.1902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4634, 0.2315, 0.1109 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(160, 33, 250)` looks like.

```
.text, #text, p{  
    color:rgb(160, 33, 250)  
}
```

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(160, 33, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 33, 250) }
```

Border

The CSS property to change the border of an element to Yxy 15.4634, 0.2315, 0.1109 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(160, 33, 250) }
```

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

```
.border{ border-color:rgb(160, 33, 250) }
```

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

Here you see how a box with a 4 pixel rgb(160, 33, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 33, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 33, 250);  
box-shadow:4px 4px 4px 4px rgb(160, 33,  
250) }
```

Background

The CSS property to change the background color of an element to Yxy 15.4634, 0.2315, 0.1109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 33, 250) }
```

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

```
.background{ background-color: rgb(160, 33,  
250) }
```

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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