

Converting Colors

$Y_{xy}(15.2687, 0.2290, 0.1210)$

Have a look what the booklet for
Yxy(15.2687, 0.2290, 0.1210)
contains.

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Color

Yxy(15.3023, 0.2286, 0.1209)

Conversions

Conversions Part 1

Format	Color
Hex	9339EE
RGB	147, 57, 238
RGB Percent	58%, 22%, 93%
CMY	0.4234, 0.7766, 0.0666
CMYK	0.38, 0.76, 0.00, 0.07
HSL	270°, 84%, 58%
HSV	270°, 76%, 93%
XYZ	28.9339, 15.3023, 82.3337
YIQ	104.5440, -4.4610, 75.3710

Conversions

Conversions Part 2

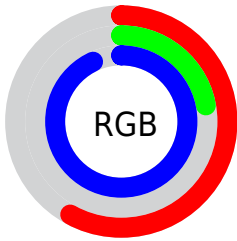
Format	Color
RYB	147, 57, 238
Decimal	9648622
CIELab	46.05, 68.91, -75.23
CIELCh	46, 102.025, 312.489
Yxy	15.3023, 0.2286, 0.1209
Android (android.graphics.Color)	4287838702 (0xFF9339EE)
YUV	104.5440, 65.7938, 37.2339
Hunter-Lab	39.1182, 63.5714, -97.4076

Details

The Yxy color **15.3023, 0.2286, 0.1209** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **67.7488, 0.3456, 0.5380**, and the grayscale version is **13.8152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2957, 0.2757, 0.1792**, and **5.3146, 0.1977, 0.0863** is the 20% darker color. If you saturate the color by 10%, you get **12.4274, 0.2159, 0.1033**, and if you desaturate by 10%, it is **19.3947, 0.2419, 0.1437**.

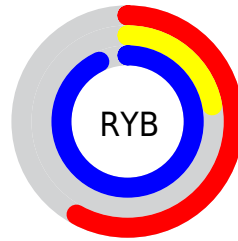
Distribution



Red (58%)

Green (22%)

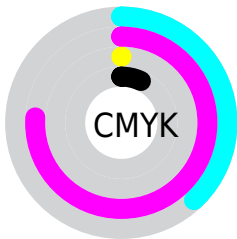
Blue (93%)



Red (58%)

Yellow (22%)

Blue (93%)

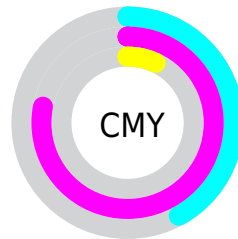


Cyan (38%)

Magenta (76%)

Yellow (0%)

Black (7%)



Cyan (42%)


Magenta (78%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.3023, 0.2286, 0.1209 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 15.3023, 0.2286, 0.1209 by changing the saturation by 10% instead.


 15.3023, 0.2286,
0.1209


 15.3023, 0.2286,
0.1209


225.1887, 0.2787,
0.2172


 9.0318, 0.2147,
0.1011


 35.3826, 0.2481,
0.1530


 4.7619, 0.1966,
0.0787


 49.9613, 0.2551,
0.1660


 2.1083, 0.1726,
0.0539


 68.0781, 0.2608,
0.1773

 0.6693, 0.1409,
0.0281

 90.1175, 0.2656,
0.1873

 0.0000, 0.1002,
0.0000

 116.4639, 0.2697,
0.1961

 0.0000, 0.0312,
0.0000

147.5016, 0.2731,

 0.0000, 0.0000,

0.2039

0.0000

183.6151, 0.2761,
0.2109

■ 15.3023, 0.2286,
0.1209

■ 15.3023, 0.2286,
0.1209

■ 12.4274, 0.2159,
0.1033

■ 19.3947, 0.2419,
0.1437

■ 10.5960, 0.2045,
0.0913

■ 24.8427, 0.2553,
0.1704

■ 10.0537, 0.2003,
0.0877

■ 31.7669, 0.2682,
0.1995

■ 40.2733, 0.2801,
0.2294

■ 50.4582, 0.2908,
0.2591

62.4100, 0.3003,
0.2874

76.2105, 0.3084,
0.3140

91.9367, 0.3153,
0.3383

98.8954, 0.3224,
0.3454

Harmonies

Analogous

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



15.3023, 0.1200, 0.0995



15.3023, 0.2286, 0.1209



15.3023, 0.4206, 0.1745

Triad

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



15.3023, 0.2286, 0.1209



15.3023, 0.5684, 0.4316



15.3023, 0.0747, 0.3179

Complementary

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



15.3023, 0.2286, 0.1209



67.7488, 0.3456, 0.5380

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.



15.3023, 0.1493, 0.6100



15.3023, 0.2286, 0.1209



15.3023, 0.4233, 0.5767

Square

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



15.3023, 0.2286, 0.1209



15.3023, 0.6561, 0.3282



15.3023, 0.2762, 0.7103



15.3023, 0.0570, 0.1615

Rectangle

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



15.3023, 0.2286, 0.1209



15.3023, 0.5611, 0.2241



15.3023, 0.2762, 0.7103



15.3023, 0.0918, 0.4073

Sweetspot

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



15.3028, 0.2286, 0.1209



62.9498, 0.2938, 0.2677



29.0195, 0.1977, 0.2041



12.4518, 0.2902, 0.2572



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.



15.3028, 0.2286, 0.1209



13.2663, 0.2097, 0.0963



26.7601, 0.3172, 0.1659



15.6149, 0.3058, 0.3051



5.6847, 0.2019, 0.0886



0.5320, 0.2161, 0.0964

Inverse Universe

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



23.2406, 0.4402, 0.2432



23.7517, 0.4778, 0.2454



62.4168, 0.3023, 0.5687



15.8914, 0.3214, 0.3172



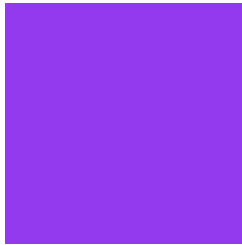
10.9185, 0.4947, 0.2499



0.9284, 0.4657, 0.2339

Previews

White Background



This preview shows how the Yxy color 15.3023, 0.2286, 0.1209 looks on a white background.

Color Contrast Check

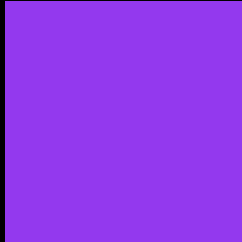
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.3023, 0.2286, 0.1209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

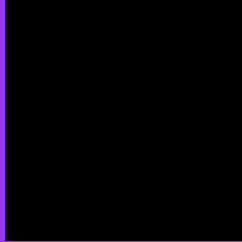
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.3023, 0.2286, 0.1209

Background



This preview shows how black text looks on a background with the Yxy color 15.3023, 0.2286, 0.1209.



This preview shows how white text looks on a background with the Yxy color 15.3023, 0.2286, 0.1209.

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

15.3023, 0.2286, 0.1209

Deuteranopia

15.3941, 0.1850, 0.1861

Tritanopia

15.1354, 0.3262, 0.3133

Trichromacy



Original Color

15.3023, 0.2286, 0.1209



Deuteranomaly

13.0146, 0.1831, 0.1418



Tritanomaly

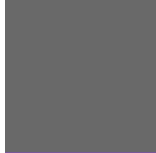
14.0308, 0.2809, 0.2098

Monochromacy



Original Color

15.3023, 0.2286, 0.1209



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

13.2724, 0.2737, 0.2139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3023, 0.2286, 0.1209 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(147, 57, 238)` looks like.

```
.text, #text, p{  
    color:rgb(147, 57, 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(147, 57, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 57, 238) }
```

Border

The CSS property to change the border of an element to Yxy 15.3023, 0.2286, 0.1209 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(147, 57, 238) }
```

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

```
.border{ border-color:rgb(147, 57, 238) }
```

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

Here you see how a box with a 4 pixel rgb(147, 57, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 57, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 57, 238);  
box-shadow:4px 4px 4px 4px rgb(147, 57,  
238) }
```

Background

The CSS property to change the background color of an element to Yxy 15.3023, 0.2286, 0.1209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 57, 238) }
```

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

```
.background{ background-color: rgb(147, 57,  
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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