

Converting Colors

$Y_{xy}(15.0662, 0.2169, 0.1063)$

Have a look what the booklet for
Yxy(15.0662, 0.2169, 0.1063)
contains.

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Color

Yxy(15.0587, 0.2171, 0.1063)

Conversions

Conversions Part 1

Format	Color
Hex	922BFF
RGB	146, 43, 255
RGB Percent	57%, 17%, 100%
CMY	0.4276, 0.8310, 0.0002
CMYK	0.43, 0.83, 0.00, 0.00
HSL	269°, 100%, 58%
HSV	269°, 83%, 100%
XYZ	30.7549, 15.0587, 95.8487
YIQ	97.9650, -6.6640, 87.7680

Conversions

Conversions Part 2

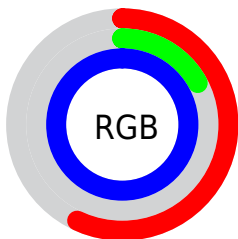
Format	Color
R _Y B	146, 43, 255
Decimal	9579519
CIE Lab	45.71, 77.25, -85.27
CIE LCh	46, 115.064, 312.175
Yxy	15.0587, 0.2171, 0.1063
Android (android.graphics.Color)	4287769599 (0xFF922BFF)
YUV	97.9650, 77.4183, 42.1267
Hunter-Lab	38.8055, 73.5584, -119.2809

Details

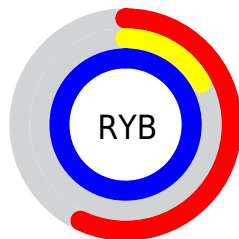
The Yxy color **15.0587, 0.2171, 0.1063** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **78.3462, 0.3453, 0.5505**, and the grayscale version is **12.0220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5305, 0.2762, 0.1720**, and **5.8251, 0.1867, 0.0802** is the 20% darker color. If you saturate the color by 10%, you get **12.6103, 0.2051, 0.0927**, and if you desaturate by 10%, it is **18.8023, 0.2303, 0.1257**.

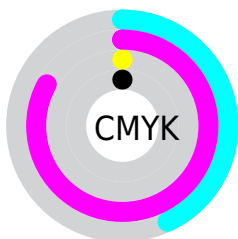
Distribution



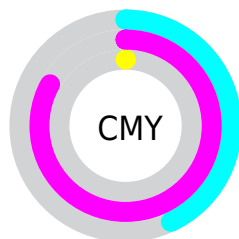
- Red (57%)
- Green (17%)
- Blue (100%)



- Red (57%)
- Yellow (17%)
- Blue (100%)



- Cyan (43%)
- Magenta (83%)
- Yellow (0%)
- Black (0%)




- Cyan (43%)
- Magenta (83%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0587, 0.2171, 0.1063 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 15.0587, 0.2171, 0.1063 by changing the saturation by 10% instead.


 15.0587, 0.2171,
0.1063


 15.0587, 0.2171,
0.1063


223.7212, 0.2730,
0.2055


 8.8606, 0.2023,
0.0872


 34.9561, 0.2384,
0.1384


 4.6504, 0.1834,
0.0660


 49.4242, 0.2462,
0.1516

 2.0436, 0.1591,
0.0437


 67.4178, 0.2527,
0.1634

 0.6326, 0.1282,
0.0214

 89.3212, 0.2581,
0.1738

 0.0000, 0.0903,
0.0000

 115.5189, 0.2627,
0.1830

 0.0000, 0.0393,
0.0000

 146.3952, 0.2666,

 0.0000, 0.0000,

0.1913

0.0000

182.3345, 0.2700,
0.1987

■ 15.0587, 0.2171,
0.1063

■ 15.0587, 0.2171,
0.1063

■ 12.6103, 0.2051,
0.0927

■ 18.8023, 0.2303,
0.1257

■ 11.4854, 0.1976,
0.0862

■ 24.0311, 0.2440,
0.1499

■ 30.9035, 0.2576,
0.1777

■ 39.5565, 0.2706,
0.2075

■ 50.1124, 0.2825,
0.2378

62.6821, 0.2932,
0.2673

77.3681, 0.3025,
0.2954

94.2655, 0.3105,
0.3214

99.9966, 0.3127,
0.3291

Harmonies

Analogous

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



15.0587, 0.1054, 0.0854



15.0587, 0.2171, 0.1063



15.0587, 0.4285, 0.1602

Triad

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



15.0587, 0.2171, 0.1063



15.0587, 0.5799, 0.4201



15.0587, 0.0571, 0.3126

Complementary

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



15.0587, 0.2171, 0.1063



78.3462, 0.3453, 0.5505

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.



15.0587, 0.1273, 0.6581



15.0587, 0.2171, 0.1063



15.0587, 0.4164, 0.5836

Square

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



15.0587, 0.2171, 0.1063



15.0587, 0.6848, 0.3129



15.0587, 0.2535, 0.7465



15.0587, 0.0432, 0.1450

Rectangle

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



15.0587, 0.2171, 0.1063



15.0587, 0.5876, 0.2104



15.0587, 0.2535, 0.7465



15.0587, 0.0724, 0.4162

Sweetspot

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



15.0591, 0.2171, 0.1063



60.1522, 0.2913, 0.2618



30.3701, 0.1903, 0.1903



11.9087, 0.2876, 0.2515



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.



15.0591, 0.2171, 0.1063



11.4907, 0.1976, 0.0862



29.5387, 0.3171, 0.1592



17.8105, 0.3055, 0.3050



6.0922, 0.1993, 0.0872



0.6579, 0.2116, 0.0940

Inverse Universe

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



25.2555, 0.4544, 0.2402



22.9039, 0.4939, 0.2494



72.2574, 0.3014, 0.5833



18.1431, 0.3213, 0.3168



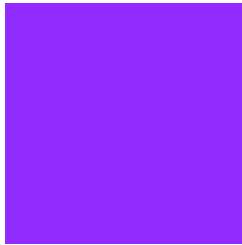
11.9981, 0.4903, 0.2475



1.1903, 0.4657, 0.2339

Previews

White Background



This preview shows how the Yxy color 15.0587, 0.2171, 0.1063 looks on a white background.

Color Contrast Check

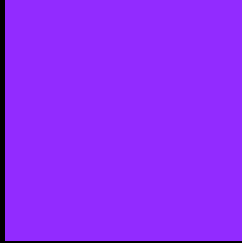
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.0587, 0.2171, 0.1063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

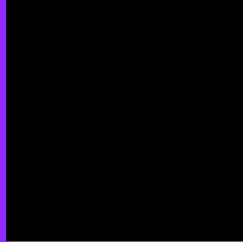
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.0587, 0.2171, 0.1063

Background



This preview shows how black text looks on a background with the Yxy color 15.0587, 0.2171, 0.1063.



This preview shows how white text looks on a background with the Yxy color 15.0587, 0.2171, 0.1063.

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

15.0587, 0.2171, 0.1063

Protanopia

15.0679, 0.1741, 0.1468

Deuteranopia

15.0430, 0.1855, 0.1876



Tritanopia

14.8955, 0.3136, 0.3108

Trichromacy



Original Color

15.0587, 0.2171, 0.1063



Protanomaly

12.6747, 0.1739, 0.1148



Deuteranomaly

12.2166, 0.1798, 0.1307



Tritanomaly

13.1868, 0.2677, 0.1917

Monochromacy



Original Color

15.0587, 0.2171, 0.1063



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

11.4602, 0.2638, 0.1924

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0587, 0.2171, 0.1063 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(146, 43, 255)` looks like.

```
.text, #text, p{  
    color:rgb(146, 43, 255)  
}
```

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(146, 43, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 43, 255) }
```

Border

The CSS property to change the border of an element to Yxy 15.0587, 0.2171, 0.1063 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(146, 43, 255) }
```

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

```
.border{ border-color:rgb(146, 43, 255) }
```

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

Here you see how a box with a 4 pixel rgb(146, 43, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 43, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 43, 255);  
box-shadow:4px 4px 4px 4px rgb(146, 43,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0587, 0.2171, 0.1063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 43, 255) }
```

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

```
.background{ background-color: rgb(146, 43,  
255) }
```

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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