

Converting Colors

$Y_{xy}(15.0707, 0.2120, 0.1070)$

Have a look what the booklet for
Yxy(15.0707, 0.2120, 0.1070)
contains.

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Color

Yxy(15.0766, 0.2121, 0.1070)

Conversions

Conversions Part 1

Format	Color
Hex	8B33FF
RGB	139, 51, 255
RGB Percent	55%, 20%, 100%
CMY	0.4547, 0.8001, 0.0000
CMYK	0.45, 0.80, 0.00, 0.00
HSL	266°, 100%, 60%
HSV	266°, 80%, 100%
XYZ	29.8855, 15.0766, 95.9407
YIQ	100.5680, -13.0360, 82.1000

Conversions

Conversions Part 2

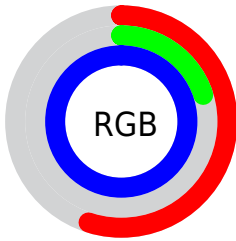
Format	Color
R_{YB}	139, 51, 255
Decimal	9122815
CIE _{Lab}	45.74, 73.88, -85.29
CIE _{LCh}	46, 112.843, 310.900
Yxy	15.0766, 0.2121, 0.1070
Android (android.graphics.Color)	4287312895 (0xFF8B33FF)
YUV	100.5680, 76.1350, 33.7049
Hunter-Lab	38.8286, 69.4373, -119.3183

Details

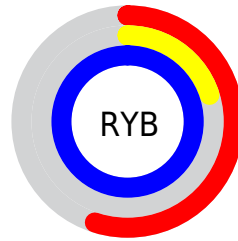
The Yxy color **15.0766, 0.2121, 0.1070** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **79.9644, 0.3531, 0.5401**, and the grayscale version is **12.6986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3626, 0.2702, 0.1727**, and **5.4477, 0.1795, 0.0762** is the 20% darker color. If you saturate the color by 10%, you get **12.2613, 0.1991, 0.0911**, and if you desaturate by 10%, it is **19.2774, 0.2264, 0.1288**.

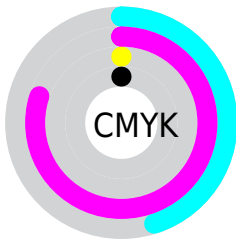
Distribution



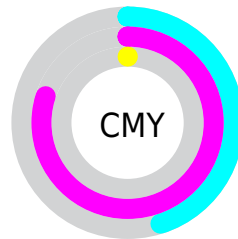
- Red (55%)
- Green (20%)
- Blue (100%)



- Red (55%)
- Yellow (20%)
- Blue (100%)



- Cyan (45%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)




- Cyan (45%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0766, 0.2121, 0.1070 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 15.0766, 0.2121, 0.1070 by changing the saturation by 10% instead.


 15.0766, 0.2121,
0.1070


 15.0766, 0.2121,
0.1070


223.8294, 0.2702,
0.2062


 8.8732, 0.1968,
0.0878


 34.9875, 0.2341,
0.1392


 4.6585, 0.1775,
0.0665


 49.4638, 0.2422,
0.1524


 2.0483, 0.1529,
0.0440


 67.4664, 0.2490,
0.1642

 0.6353, 0.1217,
0.0216

 89.3798, 0.2546,
0.1746

 0.0000, 0.0840,
0.0000

 115.5885, 0.2594,
0.1838

 0.0000, 0.0313,
0.0000

 146.4767, 0.2635,

 0.0000, 0.0000,

0.1921

0.0000

182.4288, 0.2671,
0.1995

■ 15.0766, 0.2121,
0.1070

■ 15.0766, 0.2121,
0.1070

■ 12.2613, 0.1991,
0.0911

■ 19.2774, 0.2264,
0.1288

■ 10.5398, 0.1878,
0.0808

■ 25.0433, 0.2414,
0.1552

■ 32.5271, 0.2561,
0.1847

■ 41.8622, 0.2701,
0.2155

■ 53.1687, 0.2829,
0.2463

■ 66.5562, 0.2943,
0.2759

■ 82.1258, 0.3042,
0.3036

99.9724, 0.3127,
0.3290

99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



15.0766, 0.1046, 0.0873



15.0766, 0.2121, 0.1070



15.0766, 0.4164, 0.1594

Triad

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



15.0766, 0.2121, 0.1070



15.0766, 0.5839, 0.4161



15.0766, 0.0615, 0.3255

Complementary

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



15.0766, 0.2121, 0.1070



79.9644, 0.3531, 0.5401

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.



15.0766, 0.1357, 0.6632



15.0766, 0.2121, 0.1070



15.0766, 0.4252, 0.5748

Square

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



15.0766, 0.2121, 0.1070



15.0766, 0.6814, 0.3114



15.0766, 0.2638, 0.7362



15.0766, 0.0452, 0.1517

Rectangle

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



15.0766, 0.2121, 0.1070



15.0766, 0.5742, 0.2092



15.0766, 0.2638, 0.7362



15.0766, 0.0781, 0.4300

Sweetspot

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



15.0770, 0.2121, 0.1070



60.9644, 0.2899, 0.2643



36.6663, 0.1983, 0.2152



12.0406, 0.2858, 0.2537



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.



15.0770, 0.2121, 0.1070



11.1459, 0.1921, 0.0845



27.7608, 0.3038, 0.1548



17.7612, 0.3047, 0.3049



5.5916, 0.1895, 0.0818



0.6075, 0.2021, 0.0887

Inverse Universe

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



26.4113, 0.4302, 0.2300



23.6618, 0.4628, 0.2340



72.9853, 0.3053, 0.5752



18.1601, 0.3205, 0.3156



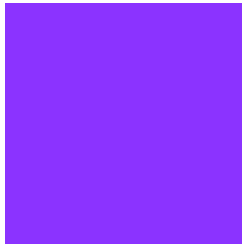
12.2063, 0.4676, 0.2349



1.2104, 0.4462, 0.2232

Previews

White Background



This preview shows how the Yxy color 15.0766, 0.2121, 0.1070 looks on a white background.

Color Contrast Check

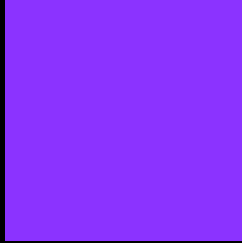
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.0766, 0.2121, 0.1070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

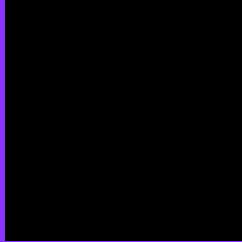
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.0766, 0.2121, 0.1070

Background



This preview shows how black text looks on a background with the Yxy color 15.0766, 0.2121, 0.1070.



This preview shows how white text looks on a background with the Yxy color 15.0766, 0.2121, 0.1070.

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

15.0766, 0.2121, 0.1070

Protanopia

15.0679, 0.1741, 0.1468

Deuteranopia

15.0430, 0.1855, 0.1876



Tritanopia

14.9893, 0.2988, 0.3123

Trichromacy



Original Color

15.0766, 0.2121, 0.1070



Protanomaly

13.0840, 0.1741, 0.1179



Deuteranomaly

12.6527, 0.1801, 0.1345



Tritanomaly

13.3883, 0.2556, 0.1931

Monochromacy



Original Color

15.0766, 0.2121, 0.1070



Achromatopsia

13.0136, 0.3127, 0.3290



Achromatomaly

12.2657, 0.2624, 0.1981

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0766, 0.2121, 0.1070 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(139, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(139, 51, 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(139, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 51, 255) }
```

Border

The CSS property to change the border of an element to Yxy 15.0766, 0.2121, 0.1070 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(139, 51, 255) }
```

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

```
.border{ border-color:rgb(139, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(139, 51,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0766, 0.2121, 0.1070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 51, 255) }
```

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

```
.background{ background-color: rgb(139, 51,  
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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