

Converting Colors

$Yxy(15.4144, 0.2194, 0.1081)$

Have a look what the booklet for
Yxy(15.4144, 0.2194, 0.1081)
contains.

Yxy(15.4863, 0.2197, 0.1084)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(15.4863, 0.2197, 0.1084)

Conversions

Conversions Part 1

Format	Color
Hex	952DFF
RGB	149, 45, 255
RGB Percent	58%, 18%, 100%
CMY	0.4158, 0.8236, 0.0000
CMYK	0.42, 0.82, 0.00, 0.00
HSL	270°, 100%, 59%
HSV	270°, 82%, 100%
XYZ	31.3869, 15.4863, 95.9893
YIQ	100.0360, -5.4260, 87.3580

Conversions

Conversions Part 2

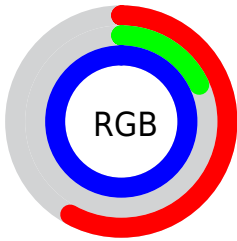
Format	Color
R _Y B	149, 45, 255
Decimal	9776639
CIE Lab	46.29, 77.09, -84.37
CIE LCh	46, 114.288, 312.420
Yxy	15.4863, 0.2197, 0.1084
Android (android.graphics.Color)	4287966719 (0xFF952DFF)
YUV	100.0360, 76.3973, 42.9414
Hunter-Lab	39.3526, 73.5010, -117.0739

Details

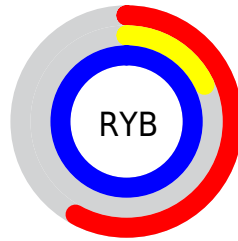
The Yxy color **15.4863, 0.2197, 0.1084** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **78.2884, 0.3443, 0.5502**, and the grayscale version is **12.5523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1720, 0.2789, 0.1740**, and **5.9625, 0.1893, 0.0816** is the 20% darker color. If you saturate the color by 10%, you get **12.9456, 0.2077, 0.0945**, and if you desaturate by 10%, it is **19.3268, 0.2328, 0.1280**.

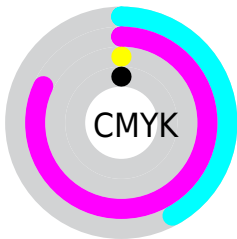
Distribution



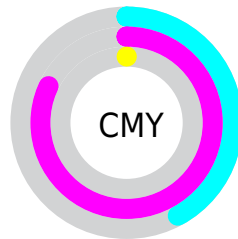
- Red (58%)
- Green (18%)
- Blue (100%)



- Red (58%)
- Yellow (18%)
- Blue (100%)



- Cyan (42%)
- Magenta (82%)
- Yellow (0%)
- Black (0%)





- Cyan (42%)
- Magenta (82%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4863, 0.2197, 0.1084 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 15.4863, 0.2197, 0.1084 by changing the saturation by 10% instead.


 15.4863, 0.2197,
0.1084

 15.4863, 0.2197,
0.1084


226.2911, 0.2741,
0.2067


 9.1614, 0.2052,
0.0893


 35.7041, 0.2405,
0.1403


 4.8466, 0.1867,
0.0682


 50.3657, 0.2481,
0.1534

 2.1575, 0.1629,
0.0457


 68.5751, 0.2544,
0.1650

 0.6967, 0.1323,
0.0233

 90.7165, 0.2596,
0.1753

 0.0000, 0.0946,
0.0000

 117.1744, 0.2641,
0.1845

 0.0000, 0.0448,
0.0000

 148.3332, 0.2679,

 0.0000, 0.0000,

0.1927

0.0000

184.5773, 0.2712,
0.2001

■ 15.4863, 0.2197,
0.1084

■ 15.4863, 0.2197,
0.1084

■ 12.9456, 0.2077,
0.0945

■ 19.3268, 0.2328,
0.1280

■ 11.6767, 0.1995,
0.0873

■ 24.6645, 0.2463,
0.1525

■ 31.6523, 0.2597,
0.1803

■ 40.4256, 0.2723,
0.2100

■ 51.1057, 0.2840,
0.2401

63.8028, 0.2943,
0.2695

78.6184, 0.3033,
0.2974

95.6472, 0.3111,
0.3232

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



15.4863, 0.1078, 0.0872



15.4863, 0.2197, 0.1084



15.4863, 0.4292, 0.1625

Triad

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



15.4863, 0.2197, 0.1084



15.4863, 0.5774, 0.4226



15.4863, 0.0591, 0.3115

Complementary

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



15.4863, 0.2197, 0.1084



78.2884, 0.3443, 0.5502

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.



15.4863, 0.1295, 0.6495



15.4863, 0.2197, 0.1084



15.4863, 0.4161, 0.5839

Square

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



15.4863, 0.2197, 0.1084



15.4863, 0.6806, 0.3155



15.4863, 0.2561, 0.7439



15.4863, 0.0449, 0.1465

Rectangle

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



15.4863, 0.2197, 0.1084



15.4863, 0.5855, 0.2127



15.4863, 0.2561, 0.7439



15.4863, 0.0745, 0.4128

Sweetspot

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



15.4831, 0.2197, 0.1084



60.2500, 0.2917, 0.2619



30.7208, 0.1910, 0.1917



11.9320, 0.2881, 0.2516



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.



15.4831, 0.2197, 0.1084



11.8308, 0.2005, 0.0881



29.6974, 0.3171, 0.1598



17.8195, 0.3057, 0.3050



6.1899, 0.2012, 0.0882



0.6675, 0.2134, 0.0949

Inverse Universe

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



25.3695, 0.4558, 0.2421



22.9267, 0.4957, 0.2509



72.3494, 0.3015, 0.5821



18.1401, 0.3215, 0.3171



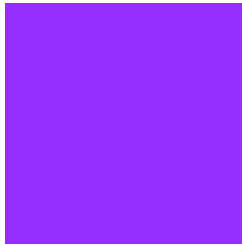
11.9634, 0.4944, 0.2497



1.1869, 0.4692, 0.2359

Previews

White Background



This preview shows how the Yxy color 15.4863, 0.2197, 0.1084 looks on a white background.

Color Contrast Check

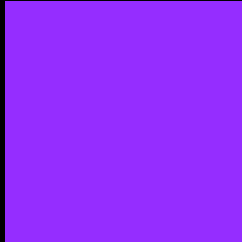
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.4863, 0.2197, 0.1084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

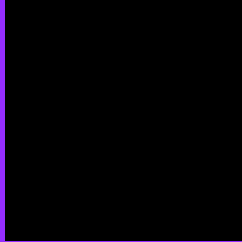
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.4863, 0.2197, 0.1084

Background



This preview shows how black text looks on a background with the Yxy color 15.4863, 0.2197, 0.1084.



This preview shows how white text looks on a background with the Yxy color 15.4863, 0.2197, 0.1084.

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

15.4863, 0.2197, 0.1084

Protanopia

15.6358, 0.1743, 0.1476

Deuteranopia

15.6160, 0.1855, 0.1879



Tritanopia

15.3745, 0.3190, 0.3131

Trichromacy



Original Color

15.4863, 0.2197, 0.1084



Protanomaly

13.1231, 0.1744, 0.1162



Deuteranomaly

12.6700, 0.1804, 0.1323



Tritanomaly

13.7244, 0.2717, 0.1961

Monochromacy



Original Color

15.4863, 0.2197, 0.1084



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

11.9892, 0.2669, 0.1958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4863, 0.2197, 0.1084 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(149, 45, 255)` looks like.

```
.text, #text, p{  
    color:rgb(149, 45, 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(149, 45, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 45, 255) }
```

Border

The CSS property to change the border of an element to Yxy 15.4863, 0.2197, 0.1084 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(149, 45, 255) }
```

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

```
.border{ border-color:rgb(149, 45, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 45, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 45, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 45, 255);  
box-shadow:4px 4px 4px 4px rgb(149, 45,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 15.4863, 0.2197, 0.1084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 45, 255) }
```

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

```
.background{ background-color: rgb(149, 45,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor