

Converting Colors

$Y_{xy}(15.9180, 0.2184, 0.1194)$

Have a look what the booklet for
Yxy(15.9180, 0.2184, 0.1194)
contains.

Yxy(15.8621, 0.2185, 0.1194)	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(15.8621, 0.2185, 0.1194)

Conversions

Conversions Part 1

Format	Color
Hex	8B41F5
RGB	139, 65, 245
RGB Percent	55%, 25%, 96%
CMY	0.4548, 0.7453, 0.0390
CMYK	0.43, 0.73, 0.00, 0.04
HSL	265°, 90%, 61%
HSV	265°, 73%, 96%
XYZ	29.0274, 15.8621, 87.9589
YIQ	107.6460, -13.6760, 71.6680

Conversions

Conversions Part 2

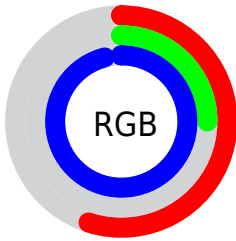
Format	Color
R_{YB}	139, 65, 245
Decimal	9126389
CIE _{Lab}	46.79, 66.05, -78.00
CIE _{LCh}	47, 102.213, 310.258
Yxy	15.8621, 0.2185, 0.1194
Android (android.graphics.Color)	4287316469 (0xFF8B41F5)
YUV	107.6460, 67.7155, 27.4975
Hunter-Lab	39.8273, 60.3988, -103.0636

Details

The Yxy color **15.8621, 0.2185, 0.1194** 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 **74.3743, 0.3563, 0.5257**, and the grayscale version is **14.6995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6930, 0.2700, 0.1821**, and **5.1244, 0.1854, 0.0795** is the 20% darker color. If you saturate the color by 10%, you get **12.4736, 0.2043, 0.0993**, and if you desaturate by 10%, it is **20.6343, 0.2337, 0.1447**.

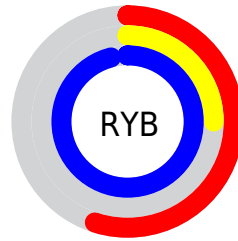
Distribution



Red (55%)

Green (25%)

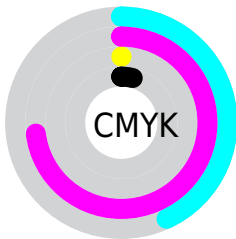
Blue (96%)



Red (55%)

Yellow (25%)

Blue (96%)

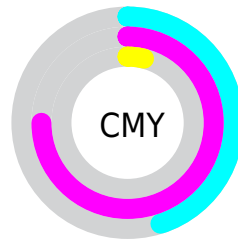


Cyan (43%)

Magenta (73%)

Yellow (0%)

Black (4%)



Cyan (45%)


Magenta (75%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.8621, 0.2185, 0.1194 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 15.8621, 0.2185, 0.1194 by changing the saturation by 10% instead.


 15.8621, 0.2185,
0.1194


 15.8621, 0.2185,
0.1194


228.5266, 0.2731,
0.2157


 9.4266, 0.2039,
0.0999


 36.3586, 0.2394,
0.1513


 5.0205, 0.1851,
0.0778


 51.1885, 0.2470,
0.1643

 2.2593, 0.1608,
0.0535


 69.5853, 0.2533,
0.1756

 0.7520, 0.1292,
0.0288

 91.9333, 0.2585,
0.1856

 0.0000, 0.0903,
0.0000

 118.6171, 0.2630,
0.1944

 0.0000, 0.0280,
0.0000

150.0210, 0.2668,

 0.0000, 0.0000,

0.2023

0.0000

186.5294, 0.2702,
0.2093

■ 15.8621, 0.2185,
0.1194

■ 15.8621, 0.2185,
0.1194

■ 12.4736, 0.2043,
0.0993

■ 20.6343, 0.2337,
0.1447

■ 10.2904, 0.1917,
0.0853

■ 26.9351, 0.2490,
0.1736

■ 9.3494, 0.1846,
0.0791

■ 34.8918, 0.2637,
0.2044

■ 44.6177, 0.2774,
0.2355

■ 56.2157, 0.2897,
0.2657

69.7807, 0.3005,
0.2942

85.4012, 0.3098,
0.3204

99.2702, 0.3181,
0.3385

99.3757, 0.3185,
0.3385

Harmonies

Analogous

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



15.8621, 0.1159, 0.1003



15.8621, 0.2185, 0.1194



15.8621, 0.4036, 0.1705

Triad

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



15.8621, 0.2185, 0.1194



15.8621, 0.5767, 0.4233



15.8621, 0.0794, 0.3365

Complementary

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



15.8621, 0.2185, 0.1194



74.3743, 0.3563, 0.5257

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.



15.8621, 0.1592, 0.6256



15.8621, 0.2185, 0.1194



15.8621, 0.4354, 0.5646

Square

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



15.8621, 0.2185, 0.1194



15.8621, 0.6562, 0.3230



15.8621, 0.2887, 0.7030



15.8621, 0.0582, 0.1698

Rectangle

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



15.8621, 0.2185, 0.1194



15.8621, 0.5450, 0.2193



15.8621, 0.2887, 0.7030



15.8621, 0.0983, 0.4288

Sweetspot

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



15.8626, 0.2185, 0.1194



63.5457, 0.2913, 0.2700



37.6112, 0.2060, 0.2305



12.8002, 0.2882, 0.2620



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.



15.8626, 0.2185, 0.1194



12.3814, 0.1981, 0.0919



26.7097, 0.3021, 0.1612



16.2595, 0.3044, 0.3050



5.1107, 0.1862, 0.0800



0.5078, 0.2002, 0.0876

Inverse Universe

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



26.1378, 0.4110, 0.2290



24.8535, 0.4394, 0.2261



67.5549, 0.3078, 0.5592



16.6462, 0.3201, 0.3152



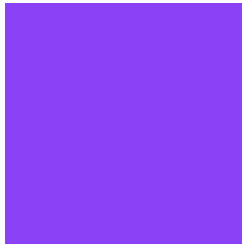
11.5750, 0.4587, 0.2301



1.0377, 0.4367, 0.2179

Previews

White Background



This preview shows how the Yxy color 15.8621, 0.2185, 0.1194 looks on a white background.

Color Contrast Check

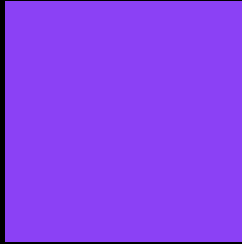
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8621, 0.2185, 0.1194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

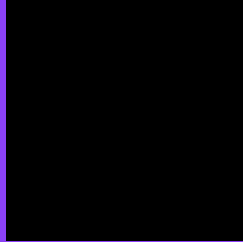
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8621, 0.2185, 0.1194

Background



This preview shows how black text looks on a background with the Yxy color 15.8621, 0.2185, 0.1194.



This preview shows how white text looks on a background with the Yxy color 15.8621, 0.2185, 0.1194.

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

15.8621, 0.2185, 0.1194

Protanopia

15.9516, 0.1743, 0.1475

Deuteranopia

15.9748, 0.1851, 0.1864



Tritanopia

15.7350, 0.3004, 0.3107

Trichromacy



Original Color

15.8621, 0.2185, 0.1194



Protanomaly

14.1843, 0.1764, 0.1267



Deuteranomaly

13.8736, 0.1826, 0.1443



Tritanomaly

14.7151, 0.2622, 0.2081

Monochromacy



Original Color

15.8621, 0.2185, 0.1194



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

14.0449, 0.2676, 0.2135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8621, 0.2185, 0.1194 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, 65, 245)` looks like.

```
.text, #text, p{  
    color:rgb(139, 65, 245)  
}
```

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, 65, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 65, 245) }
```

Border

The CSS property to change the border of an element to Yxy 15.8621, 0.2185, 0.1194 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, 65, 245) }
```

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

```
.border{ border-color:rgb(139, 65, 245) }
```

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

Here you see how a box with a 4 pixel rgb(139, 65, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 65, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 65, 245);  
box-shadow:4px 4px 4px 4px rgb(139, 65,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8621, 0.2185, 0.1194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 65, 245) }
```

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

```
.background{ background-color: rgb(139, 65,  
245) }
```

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