

Converting Colors

$Y_{xy}(16.3921, 0.2119, 0.1148)$

Have a look what the booklet for
Yxy(16.3921, 0.2119, 0.1148)
contains.

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Color

Yxy(16.4348, 0.2121, 0.1150)

Conversions

Conversions Part 1

Format	Color
Hex	8942FF
RGB	137, 66, 255
RGB Percent	54%, 26%, 100%
CMY	0.4627, 0.7411, 0.0001
CMYK	0.46, 0.74, 0.00, 0.00
HSL	263°, 100%, 63%
HSV	263°, 74%, 100%
XYZ	30.3115, 16.4348, 96.1650
YIQ	108.7750, -18.3530, 73.8310

Conversions

Conversions Part 2

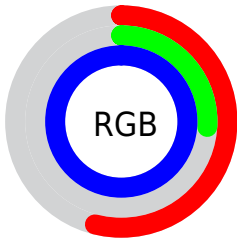
Format	Color
RYB	137, 66, 255
Decimal	8995583
CIELab	47.54, 67.73, -82.34
CIElCh	48, 106.614, 309.440
Yxy	16.4348, 0.2121, 0.1150
Android (android.graphics.Color)	4287185663 (0xFF8942FF)
YUV	108.7750, 72.0889, 24.7533
Hunter-Lab	40.5399, 62.5190, -112.2645

Details

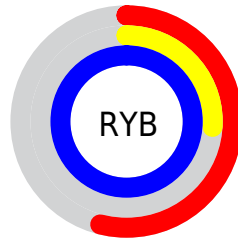
The Yxy color **16.4348, 0.2121, 0.1150** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **82.0904, 0.3608, 0.5241**, and the grayscale version is **15.0245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7951, 0.2692, 0.1827**, and **5.4089, 0.1787, 0.0758** is the 20% darker color. If you saturate the color by 10%, you get **12.8421, 0.1976, 0.0950**, and if you desaturate by 10%, it is **21.5534, 0.2278, 0.1405**.

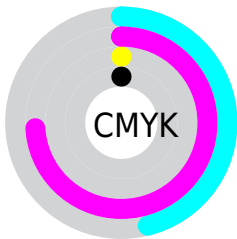
Distribution



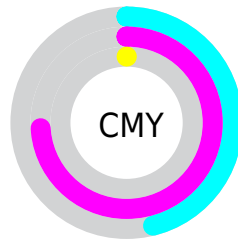
- Red (54%)
- Green (26%)
- Blue (100%)



- Red (54%)
- Yellow (26%)
- Blue (100%)



- Cyan (46%)
- Magenta (74%)
- Yellow (0%)
- Black (0%)





- Cyan (46%)
- Magenta (74%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.4348, 0.2121, 0.1150 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 16.4348, 0.2121, 0.1150 by changing the saturation by 10% instead.


 16.4348, 0.2121,
0.1150


 16.4348, 0.2121,
0.1150


231.8939, 0.2694,
0.2116


 9.8323, 0.1972,
0.0959


 37.3514, 0.2337,
0.1466


 5.2879, 0.1783,
0.0744


 52.4344, 0.2416,
0.1596

 2.4172, 0.1542,
0.0512


 71.1129, 0.2483,
0.1710

 0.8347, 0.1236,
0.0280

 93.7715, 0.2538,
0.1810

 0.0000, 0.0867,
0.0000

 120.7945, 0.2586,
0.1900

 0.0000, 0.0351,
0.0000

152.5663, 0.2627,

 0.0000, 0.0000,

0.1980

0.0000

189.4713, 0.2662,
0.2051

■ 16.4348, 0.2121,
0.1150

■ 16.4348, 0.2121,
0.1150

■ 12.8421, 0.1976,
0.0950

■ 21.5534, 0.2278,
0.1405

■ 10.5739, 0.1851,
0.0813

■ 28.3611, 0.2439,
0.1698

■ 9.6938, 0.1788,
0.0759

■ 37.0008, 0.2595,
0.2011

■ 47.5995, 0.2741,
0.2328

■ 60.2724, 0.2873,
0.2635

75.1257, 0.2989,
0.2923

92.2583, 0.3090,
0.3188

99.9987, 0.3127,
0.3290

Harmonies

Analogous

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



16.4348, 0.1106, 0.0967



16.4348, 0.2121, 0.1150



16.4348, 0.3994, 0.1654

Triad

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



16.4348, 0.2121, 0.1150



16.4348, 0.5826, 0.4174



16.4348, 0.0761, 0.3425

Complementary

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



16.4348, 0.2121, 0.1150



82.0904, 0.3608, 0.5241

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.



16.4348, 0.1569, 0.6433



16.4348, 0.2121, 0.1150



16.4348, 0.4381, 0.5619

Square

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



16.4348, 0.2121, 0.1150



16.4348, 0.6635, 0.3173



16.4348, 0.2884, 0.7116



16.4348, 0.0547, 0.1684

Rectangle

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



16.4348, 0.2121, 0.1150



16.4348, 0.5459, 0.2142



16.4348, 0.2884, 0.7116



16.4348, 0.0952, 0.4396

Sweetspot

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



16.4353, 0.2121, 0.1150



63.2325, 0.2899, 0.2697



43.3659, 0.2075, 0.2381



12.7268, 0.2866, 0.2617



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.



16.4353, 0.2121, 0.1150



11.5838, 0.1912, 0.0875



27.9042, 0.2958, 0.1571



17.7101, 0.3038, 0.3048



5.1443, 0.1804, 0.0768



0.5609, 0.1929, 0.0836

Inverse Universe

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



28.6148, 0.4031, 0.2225



24.9855, 0.4288, 0.2191



74.1355, 0.3100, 0.5595



18.1779, 0.3196, 0.3143



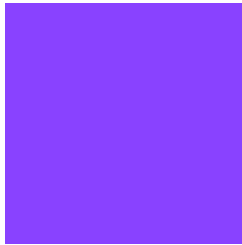
12.4505, 0.4445, 0.2222



1.2335, 0.4266, 0.2124

Previews

White Background



This preview shows how the Yxy color 16.4348, 0.2121, 0.1150 looks on a white background.

Color Contrast Check

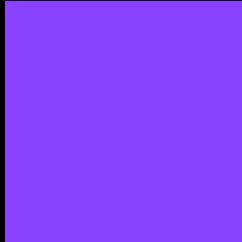
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4348, 0.2121, 0.1150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

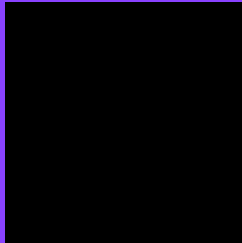
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4348, 0.2121, 0.1150

Background



This preview shows how black text looks on a background with the Yxy color 16.4348, 0.2121, 0.1150.



This preview shows how white text looks on a background with the Yxy color 16.4348, 0.2121, 0.1150.

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

16.4348, 0.2121, 0.1150

Protanopia

16.5944, 0.1743, 0.1475

Deuteranopia

16.2927, 0.1850, 0.1860



Tritanopia

16.3483, 0.2886, 0.3106

Trichromacy



Original Color

16.4348, 0.2121, 0.1150



Protanomaly

14.6799, 0.1751, 0.1244



Deuteranomaly

14.2895, 0.1813, 0.1420



Tritanomaly

15.1345, 0.2516, 0.2037

Monochromacy



Original Color

16.4348, 0.2121, 0.1150



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

14.3593, 0.2638, 0.2099

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4348, 0.2121, 0.1150 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(137, 66, 255)` looks like.

```
.text, #text, p{  
    color:rgb(137, 66, 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(137, 66, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 66, 255) }
```

Border

The CSS property to change the border of an element to Yxy 16.4348, 0.2121, 0.1150 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(137, 66, 255) }
```

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

```
.border{ border-color:rgb(137, 66, 255) }
```

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

Here you see how a box with a 4 pixel rgb(137, 66, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 66, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 66, 255);  
box-shadow:4px 4px 4px 4px rgb(137, 66,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4348, 0.2121, 0.1150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 66, 255) }
```

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

```
.background{ background-color: rgb(137, 66,  
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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