

# Converting Colors

$Y_{xy}(43.3011, 0.3251, 0.2142)$

Have a look what the booklet for  
Yxy(43.3011, 0.3251, 0.2142)  
contains.

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# Color

**Yxy(43.4137, 0.3254, 0.2148)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF80F7
RGB	255, 128, 247
RGB Percent	100%, 50%, 97%
CMY	0.0000, 0.4982, 0.0313
CMYK	0.00, 0.50, 0.03, 0.00
HSL	304°, 100%, 75%
HSV	304°, 50%, 100%
XYZ	65.7673, 43.4137, 92.9312
YIQ	179.5390, 37.4930, 63.9330

# Conversions

## Conversions Part 2

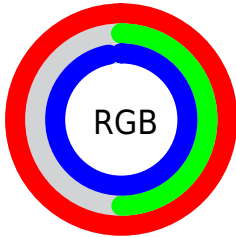
Format	Color
R <sub>Y</sub> B	255, 128, 247
Decimal	16744695
CIE Lab	71.83, 63.64, -38.27
CIE LCh	72, 74.266, 328.979
Yxy	43.4137, 0.3254, 0.2148
Android (android.graphics.Color)	4294934775 (0xFFFF80F7)
YUV	179.5390, 33.2583, 66.1793
Hunter-Lab	65.8891, 62.8642, -37.5014

# Details

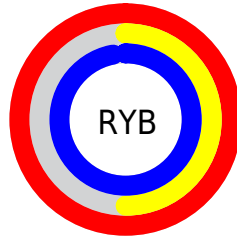
The Yxy color **43.4137, 0.3254, 0.2148** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **77.8813, 0.3018, 0.4787**, and the grayscale version is **45.1724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1779, 0.3159, 0.2604**, and **19.9599, 0.3267, 0.1900** is the 20% darker color. If you saturate the color by 10%, you get **37.4714, 0.3281, 0.1965**, and if you desaturate by 10%, it is **51.0085, 0.3225, 0.2359**.

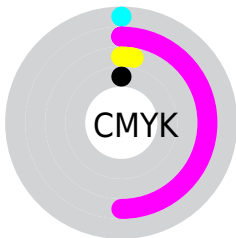
# Distribution



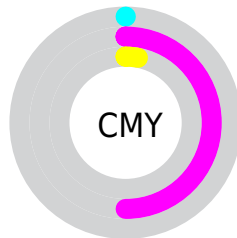
- Red (100%)
- Green (50%)
- Blue (97%)



- Red (100%)
- Yellow (50%)
- Blue (97%)



- Cyan (0%)
- Magenta (50%)
- Yellow (3%)
- Black (0%)




- Cyan (0%)
- Magenta (50%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.4137, 0.3254, 0.2148 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 43.4137, 0.3254, 0.2148 by changing the saturation by 10% instead.





 43.4137, 0.3254,  
0.2148


 43.4137, 0.3254,  
0.2148


360.3104, 0.3214,  
0.2662


 30.2098, 0.3258,  
0.2036


 80.3348, 0.3244,  
0.2322

 19.9979, 0.3261,  
0.1901


 104.8208, 0.3239,  
0.2391

 12.3935, 0.3261,  
0.1734


 133.8363, 0.3234,  
0.2451

 7.0123, 0.3254,  
0.1527

167.7657, 0.3229,  
0.2504

 3.4698, 0.3231,  
0.1265

206.9935, 0.3225,  
0.2550

 1.3816, 0.3175,  
0.0932

251.9039, 0.3221,

 0.2031, 0.3108,

0.2591

0.0299

302.8814, 0.3217,  
0.2628

■ 0.0000, 0.2687,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 43.4137, 0.3254,  
0.2148

■ 43.4137, 0.3254,  
0.2148

■ 37.4714, 0.3281,  
0.1965

■ 51.0085, 0.3225,  
0.2359

■ 33.0828, 0.3308,  
0.1818

■ 60.3991, 0.3198,  
0.2588

■ 30.0922, 0.3334,  
0.1715

■ 71.6804, 0.3172,  
0.2825

■ 28.3255, 0.3356,  
0.1655

■ 84.9485, 0.3148,  
0.3063

■ 27.5035, 0.3376,  
0.1634

100.0000, 0.3127,  
0.3290

■ 27.4919, 0.3376,  
0.1634

# Harmonies

## Analogous

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



43.4137, 0.2300, 0.1843



43.4137, 0.3254, 0.2148



43.4137, 0.4344, 0.2671

# Triad

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



43.4137, 0.3254, 0.2148



43.4137, 0.4564, 0.4751



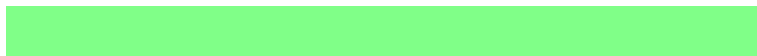
43.4137, 0.1499, 0.2775

# Complementary

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



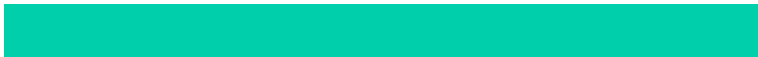
43.4137, 0.3254, 0.2148



77.8813, 0.3018, 0.4787

# 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.



43.4137, 0.1933, 0.3915



43.4137, 0.3254, 0.2148



43.4137, 0.3694, 0.5243

# Square

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



43.4137, 0.3254, 0.2148



43.4137, 0.5114, 0.4031



43.4137, 0.2734, 0.4996



43.4137, 0.1435, 0.2079



# Rectangle

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



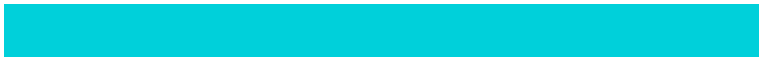
43.4137, 0.3254, 0.2148



43.4137, 0.4903, 0.3096



43.4137, 0.2734, 0.4996



43.4137, 0.1600, 0.3114

# Sweetspot

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



43.4041, 0.3253, 0.2148



77.8233, 0.3161, 0.2940



27.7407, 0.2208, 0.1718



16.0701, 0.3166, 0.2890



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.



43.4041, 0.3253, 0.2148



37.3797, 0.3282, 0.1962



40.1951, 0.3884, 0.2705



18.2795, 0.3148, 0.3070



14.3736, 0.3373, 0.1632



1.4052, 0.3353, 0.1621



# Inverse Universe

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



43.4041, 0.3253, 0.2148



37.3797, 0.3282, 0.1962



80.1752, 0.2729, 0.3991



18.2795, 0.3148, 0.3070



14.3736, 0.3373, 0.1632



1.4052, 0.3353, 0.1621



# Previews

## White Background



This preview shows how the Yxy color 43.4137, 0.3254, 0.2148 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

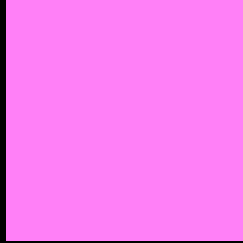
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.4137, 0.3254, 0.2148 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

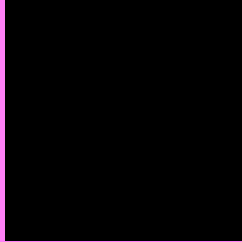
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.4137, 0.3254, 0.2148**

## Background



This preview shows how black text looks on a background with the Yxy color 43.4137, 0.3254, 0.2148.

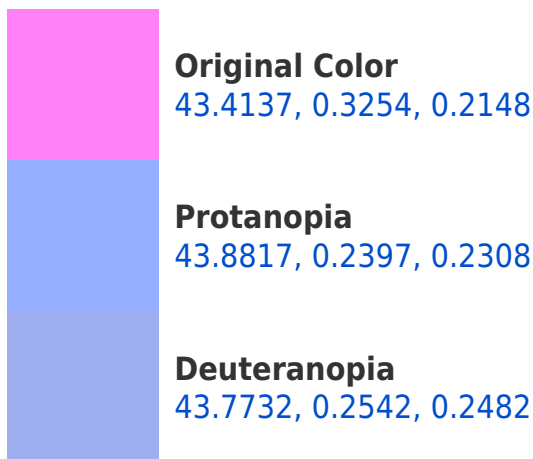


This preview shows how white text looks on a background with the Yxy color 43.4137, 0.3254, 0.2148.

# 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





## Tritanopia

43.4454, 0.3998, 0.3172

# Trichromacy



## Original Color

43.4137, 0.3254, 0.2148



## Protanomaly

41.8336, 0.2655, 0.2205



## Deuteranomaly

41.8622, 0.2761, 0.2308



## Tritanomaly

42.9953, 0.3720, 0.2752

# Monochromacy



## Original Color

43.4137, 0.3254, 0.2148



## Achromatopsia

45.6411, 0.3127, 0.3290



## Achromatomaly

43.1148, 0.3179, 0.2776

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.4137, 0.3254, 0.2148 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(255, 128, 247)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 247)  
}
```

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(255, 128, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 43.4137, 0.3254, 0.2148 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(255, 128, 247) }
```

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

```
.border{ border-color:rgb(255, 128, 247) }
```

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

Here you see how a box with a 4 pixel rgb(255, 128, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.4137, 0.3254, 0.2148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 247) }
```

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

```
.background{ background-color: rgb(255,  
128, 247) }
```

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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