

# Converting Colors

$Y_{xy}(58.7089, 0.3538, 0.2575)$

Have a look what the booklet for  
Yxy(58.7089, 0.3538, 0.2575)  
contains.

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# Color

**Yxy(52.9817, 0.3301, 0.2514)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA1EF
RGB	255, 161, 239
RGB Percent	100%, 63%, 94%
CMY	0.0000, 0.3686, 0.0629
CMYK	0.00, 0.37, 0.06, 0.00
HSL	310°, 100%, 82%
HSV	310°, 37%, 100%
XYZ	69.5675, 52.9817, 88.1975
YIQ	197.9980, 30.9860, 44.1860

# Conversions

## Conversions Part 2

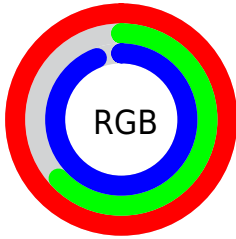
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 161, 239
Decimal	16753135
CIE Lab	77.86, 46.01, -24.60
CIE LCh	78, 52.178, 331.870
Yxy	52.9817, 0.3301, 0.2514
Android (android.graphics.Color)	4294943215 (0xFFFFA1EF)
YUV	197.9980, 20.2140, 49.9908
Hunter-Lab	72.7885, 43.2210, -20.8894

# Details

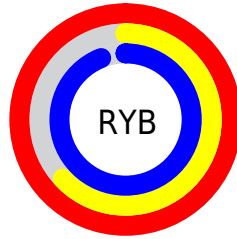
The Yxy color **52.9817, 0.3301, 0.2514** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **82.2724, 0.2993, 0.4217**, and the grayscale version is **56.3280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1057, 0.3145, 0.2920**, and **25.8046, 0.3334, 0.2336** is the 20% darker color. If you saturate the color by 10%, you get **44.7037, 0.3361, 0.2315**, and if you desaturate by 10%, it is **63.0786, 0.3246, 0.2725**.

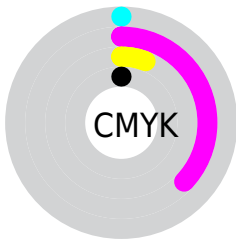
# Distribution



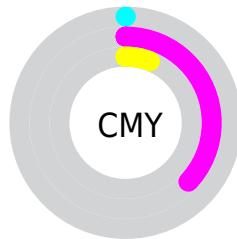
- Red (100%)
- Green (63%)
- Blue (94%)



- Red (100%)
- Yellow (63%)
- Blue (94%)



- Cyan (0%)
- Magenta (37%)
- Yellow (6%)
- Black (0%)




- Cyan (0%)
- Magenta (37%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.9817, 0.3301, 0.2514 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 52.9817, 0.3301, 0.2514 by changing the saturation by 10% instead.





 52.9817, 0.3301,  
0.2514


 52.9817, 0.3301,  
0.2514


398.2149, 0.3227,  
0.2867

 37.7882, 0.3316,  
0.2435


 94.5774, 0.3277,  
0.2635

 25.8183, 0.3334,  
0.2339


 121.7484, 0.3267,  
0.2682

 16.6878, 0.3355,  
0.2220


153.6807, 0.3258,  
0.2723

 10.0121, 0.3379,  
0.2067

190.7586, 0.3251,  
0.2759

 5.4070, 0.3408,  
0.1865

233.3666, 0.3244,  
0.2791

 2.4880, 0.3439,  
0.1590

281.8891, 0.3238,

 0.8706, 0.3462,

0.2819

0.1201

336.7104, 0.3232,  
0.2844

0.0000, 0.3668,  
0.0000

0.0000, 0.0000,  
0.0000

52.9817, 0.3301,  
0.2514

52.9817, 0.3301,  
0.2514

44.7037, 0.3361,  
0.2315

63.0786, 0.3246,  
0.2725

38.1401, 0.3425,  
0.2137

75.1030, 0.3197,  
0.2939

33.1652, 0.3492,  
0.1991

89.1468, 0.3153,  
0.3150

29.6390, 0.3559,  
0.1886

100.0000, 0.3127,  
0.3290

■ 27.3972, 0.3624,  
0.1827

■ 26.2316, 0.3686,  
0.1813

■ 25.9891, 0.3704,  
0.1814

# Harmonies

## Analogous

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



52.9817, 0.2627, 0.2268



52.9817, 0.3301, 0.2514



52.9817, 0.3996, 0.2922

# Triad

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



52.9817, 0.3301, 0.2514



52.9817, 0.4121, 0.4391



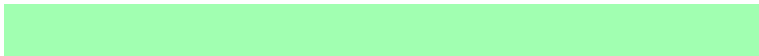
52.9817, 0.1965, 0.2927

# Complementary

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



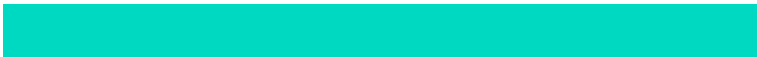
52.9817, 0.3301, 0.2514



82.2724, 0.2993, 0.4217

# 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.



52.9817, 0.2283, 0.3634



52.9817, 0.3301, 0.2514



52.9817, 0.3519, 0.4574

# Square

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



52.9817, 0.3301, 0.2514



52.9817, 0.4478, 0.3947



52.9817, 0.2845, 0.4300



52.9817, 0.1923, 0.2443



# Rectangle

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



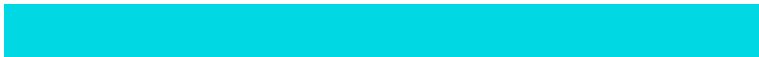
52.9817, 0.3301, 0.2514



52.9817, 0.4338, 0.3251



52.9817, 0.2845, 0.4300



52.9817, 0.2040, 0.3146

# Sweetspot

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



52.9795, 0.3301, 0.2514



83.0866, 0.3171, 0.3064



42.0172, 0.2557, 0.2200



17.3754, 0.3176, 0.3035



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.



52.9795, 0.3301, 0.2514



46.8933, 0.3343, 0.2370



50.5698, 0.3725, 0.2965



18.2440, 0.3164, 0.3095



13.5994, 0.3695, 0.1809



1.3376, 0.3630, 0.1773



# Inverse Universe

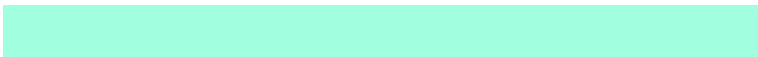
The Inverse Universe completely reimagines the original color for something new.



52.9795, 0.3301, 0.2514



46.8933, 0.3343, 0.2370



84.4607, 0.2758, 0.3648



18.2440, 0.3164, 0.3095



13.5994, 0.3695, 0.1809



1.3376, 0.3630, 0.1773



# Previews

## White Background



This preview shows how the Yxy color 52.9817, 0.3301, 0.2514 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 52.9817, 0.3301, 0.2514 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

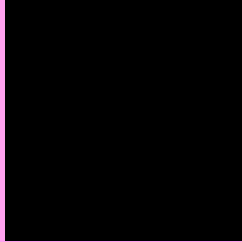
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.9817, 0.3301, 0.2514**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.9817, 0.3301, 0.2514.



This preview shows how white text looks on a background with the Yxy color 52.9817, 0.3301, 0.2514.

# 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

52.9817, 0.3301, 0.2514

### Protanopia

53.5956, 0.2588, 0.2552

### Deuteranopia

53.4121, 0.2822, 0.2764



## Tritanopia

52.9643, 0.3703, 0.3152

# Trichromacy



## Original Color

52.9817, 0.3301, 0.2514



## Protanomaly

52.3194, 0.2814, 0.2524



## Deuteranomaly

52.5925, 0.2980, 0.2656



## Tritanomaly

52.9223, 0.3555, 0.2903

# Monochromacy



## Original Color

52.9817, 0.3301, 0.2514



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

54.5621, 0.3191, 0.2973

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.9817, 0.3301, 0.2514 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, 161, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 239)  
}
```

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, 161, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 52.9817, 0.3301, 0.2514 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, 161, 239) }
```

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

```
.border{ border-color:rgb(255, 161, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 161, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.9817, 0.3301, 0.2514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 161, 239) }
```

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

```
.background{ background-color: rgb(255,  
161, 239) }
```

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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