

# Converting Colors

Yxy(54.8177, 0.3415, 0.2719)

Have a look what the booklet for  
Yxy(54.8177, 0.3415, 0.2719)  
contains.

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# Color

**Yxy(54.7015, 0.3413, 0.2712)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA8E1
RGB	255, 168, 225
RGB Percent	100%, 66%, 88%
CMY	0.0000, 0.3412, 0.1177
CMYK	0.00, 0.34, 0.12, 0.00
HSL	321°, 100%, 83%
HSV	321°, 34%, 100%
XYZ	68.8408, 54.7015, 78.1594
YIQ	200.5110, 33.5550, 36.1710

# Conversions

## Conversions Part 2

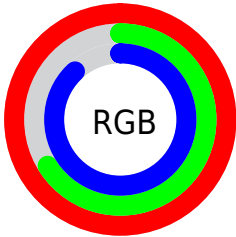
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 168, 225
Decimal	16754913
CIE <sub>Lab</sub>	78.87, 40.11, -15.51
CIE <sub>LCh</sub>	79, 43.003, 338.860
Yxy	54.7015, 0.3413, 0.2712
Android (android.graphics.Color)	4294944993 (0xFFFFA8E1)
YUV	200.5110, 12.0731, 47.7869
Hunter-Lab	73.9605, 36.7131, -10.8837

# Details

The Yxy color **54.7015, 0.3413, 0.2712** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **83.9210, 0.2924, 0.3952**, and the grayscale version is **57.9943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7913, 0.3141, 0.2989**, and **26.8072, 0.3477, 0.2568** is the 20% darker color. If you saturate the color by 10%, you get **45.7208, 0.3528, 0.2544**, and if you desaturate by 10%, it is **65.5459, 0.3312, 0.2886**.

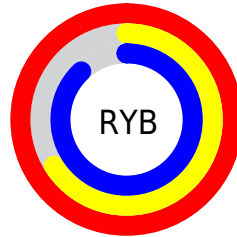
# Distribution



Red (100%)

Green (66%)

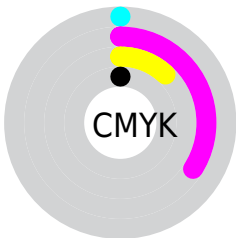
Blue (88%)



Red (100%)

Yellow (66%)

Blue (88%)

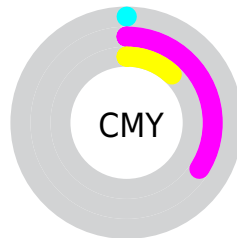


Cyan (0%)

Magenta (34%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (34%)


Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.7015, 0.3413, 0.2712 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 54.7015, 0.3413, 0.2712 by changing the saturation by 10% instead.





 54.7015, 0.3413,  
0.2712


 54.7015, 0.3413,  
0.2712

404.7794, 0.3281,  
0.2979

 39.1628, 0.3443,  
0.2651


 97.1035, 0.3367,  
0.2804

 26.8864, 0.3480,  
0.2577

 124.7355, 0.3349,  
0.2840

 17.4879, 0.3527,  
0.2482


157.1675, 0.3334,  
0.2871

 10.5830, 0.3589,  
0.2360

194.7837, 0.3321,  
0.2898

 5.7872, 0.3671,  
0.2195

237.9686, 0.3309,  
0.2922

 2.7161, 0.3789,  
0.1961

287.1066, 0.3298,

 0.9854, 0.3968,

0.2943

0.1609

342.5821, 0.3289,  
0.2962

0.0000, 0.4758,  
0.0000

0.0000, 0.0000,  
0.0000

54.7015, 0.3413,  
0.2712

54.7015, 0.3413,  
0.2712

45.7208, 0.3528,  
0.2544

65.5459, 0.3312,  
0.2886

38.5055, 0.3658,  
0.2391

78.3644, 0.3226,  
0.3058

32.9320, 0.3801,  
0.2264

93.2463, 0.3154,  
0.3224

28.8652, 0.3952,  
0.2174

100.0000, 0.3127,  
0.3290

■ 26.1481, 0.4107,  
0.2132

■ 24.5888, 0.4258,  
0.2142

■ 24.0523, 0.4346,  
0.2168

# Harmonies

## Analogous

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



54.7015, 0.2839, 0.2466



54.7015, 0.3413, 0.2712



54.7015, 0.3946, 0.3086

# Triad

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



54.7015, 0.3413, 0.2712



54.7015, 0.3857, 0.4261



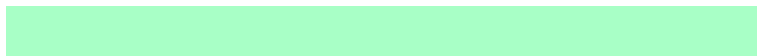
54.7015, 0.2128, 0.2893

# Complementary

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



54.7015, 0.3413, 0.2712



83.9210, 0.2924, 0.3952

# 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.



54.7015, 0.2350, 0.3436



54.7015, 0.3413, 0.2712



54.7015, 0.3335, 0.4306

# Square

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



54.7015, 0.3413, 0.2712



54.7015, 0.4199, 0.3951



54.7015, 0.2784, 0.3992



54.7015, 0.2143, 0.2533



# Rectangle

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



54.7015, 0.3413, 0.2712



54.7015, 0.4179, 0.3375



54.7015, 0.2784, 0.3992



54.7015, 0.2176, 0.3059

# Sweetspot

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



54.6980, 0.3413, 0.2712



84.2422, 0.3195, 0.3127



47.0917, 0.2714, 0.2320



17.5937, 0.3205, 0.3104



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.



54.6980, 0.3413, 0.2712



48.3282, 0.3491, 0.2595



52.6599, 0.3800, 0.3140



18.1877, 0.3191, 0.3135



12.5970, 0.4322, 0.2155



1.2471, 0.4162, 0.2066



# Inverse Universe

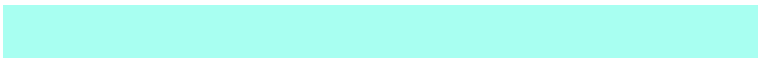
The Inverse Universe completely reimagines the original color for something new.



54.6980, 0.3413, 0.2712



48.3282, 0.3491, 0.2595



86.1648, 0.2711, 0.3450



18.1877, 0.3191, 0.3135



12.5970, 0.4322, 0.2155



1.2471, 0.4162, 0.2066



# Previews

## White Background



This preview shows how the Yxy color 54.7015, 0.3413, 0.2712 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

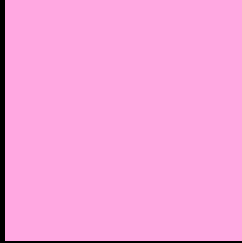
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.7015, 0.3413, 0.2712 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 54.7015, 0.3413, 0.2712**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.7015, 0.3413, 0.2712.



This preview shows how white text looks on a background with the Yxy color 54.7015, 0.3413, 0.2712.

# 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

54.7015, 0.3413, 0.2712

### Protanopia

55.1847, 0.2727, 0.2732

### Deuteranopia

55.1786, 0.3002, 0.2942



## Tritanopia

54.8000, 0.3694, 0.3154

## Trichromacy



### Original Color

54.7015, 0.3413, 0.2712



### Protanomaly

54.4557, 0.2949, 0.2719



### Deuteranomaly

54.6705, 0.3148, 0.2856



### Tritanomaly

54.4175, 0.3592, 0.2987

## Monochromacy



### Original Color

54.7015, 0.3413, 0.2712



### Achromatopsia

58.4078, 0.3127, 0.3290



### Achromatomaly

56.4205, 0.3228, 0.3053

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.7015, 0.3413, 0.2712 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, 168, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 225)  
}
```

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, 168, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 54.7015, 0.3413, 0.2712 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, 168, 225) }
```

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

```
.border{ border-color:rgb(255, 168, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 168, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 168, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 168, 225); box-shadow:4px 4px 4px 4px rgb(255, 168, 225) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.7015, 0.3413, 0.2712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 168, 225) }
```

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

```
.background{ background-color: rgb(255,  
168, 225) }
```

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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