

# Converting Colors

$Y_{xy}(54.2424, 0.3559, 0.2887)$

Have a look what the booklet for  
Yxy(54.2424, 0.3559, 0.2887)  
contains.

<b>Yxy(54.1900, 0.3561, 0.2888)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(54.1900, 0.3561, 0.2888)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA9D0
RGB	255, 169, 208
RGB Percent	100%, 66%, 82%
CMY	0.0000, 0.3373, 0.1842
CMYK	0.00, 0.34, 0.18, 0.00
HSL	333°, 100%, 83%
HSV	333°, 34%, 100%
XYZ	66.8181, 54.1900, 66.6304
YIQ	199.1600, 38.7370, 30.3610

# Conversions

## Conversions Part 2

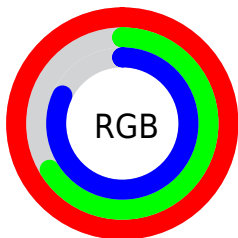
Format	Color
R <sub>Y</sub> B	255, 169, 208
Decimal	16755152
CIE Lab	78.57, 36.95, -6.74
CIE LCh	79, 37.556, 349.657
Yxy	54.1900, 0.3561, 0.2888
Android (android.graphics.Color)	4294945232 (0xFFFFA9D0)
YUV	199.1600, 4.3581, 48.9717
Hunter-Lab	73.6139, 33.1972, -2.1357

# Details

The Yxy color **54.1900, 0.3561, 0.2888** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **84.9111, 0.2837, 0.3735**, and the grayscale version is **57.1719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3304, 0.3141, 0.2999**, and **26.6942, 0.3669, 0.2790** is the 20% darker color. If you saturate the color by 10%, you get **44.9545, 0.3749, 0.2768**, and if you desaturate by 10%, it is **65.3374, 0.3403, 0.3012**.

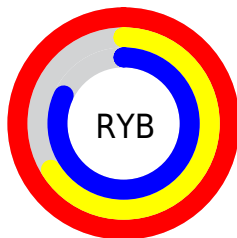
# Distribution



Red (100%)

Green (66%)

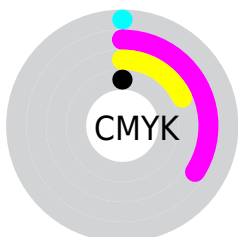
Blue (82%)



Red (100%)

Yellow (66%)

Blue (82%)

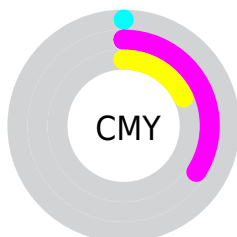


Cyan (0%)

Magenta (34%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (34%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.1900, 0.3561, 0.2888 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 54.1900, 0.3561, 0.2888 by changing the saturation by 10% instead.





 54.1900, 0.3561,  
0.2888

 54.1900, 0.3561,  
0.2888

402.8341, 0.3353,  
0.3078

 38.7536, 0.3611,  
0.2844


 96.3532, 0.3487,  
0.2955

 26.5681, 0.3673,  
0.2788


 123.8487, 0.3459,  
0.2981

 17.2491, 0.3754,  
0.2717


156.1327, 0.3435,  
0.3003

 10.4123, 0.3862,  
0.2623

193.5896, 0.3414,  
0.3022

 5.6731, 0.4015,  
0.2492

236.6039, 0.3396,  
0.3038

 2.6474, 0.4247,  
0.2299

285.5597, 0.3380,

 0.9505, 0.4639,

0.3053

0.1989

340.8417, 0.3365,  
0.3066

■ 0.0000, 0.7152,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.1900, 0.3561,  
0.2888

■ 54.1900, 0.3561,  
0.2888

■ 44.9545, 0.3749,  
0.2768

■ 65.3374, 0.3403,  
0.3012

■ 37.5189, 0.3968,  
0.2660

■ 78.4950, 0.3271,  
0.3133

■ 31.7632, 0.4216,  
0.2575

■ 93.7571, 0.3162,  
0.3249

■ 27.5516, 0.4487,  
0.2526

100.0000, 0.3127,  
0.3290

■ 24.7269, 0.4767,  
0.2526

■ 23.0976, 0.5039,  
0.2581

■ 22.5146, 0.5200,  
0.2638

# Harmonies

## Analogous

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



54.1900, 0.3052, 0.2620



54.1900, 0.3561, 0.2888



54.1900, 0.3968, 0.3252

# Triad

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



54.1900, 0.3561, 0.2888



54.1900, 0.3622, 0.4188



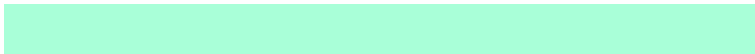
54.1900, 0.2221, 0.2810

# Complementary

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



54.1900, 0.3561, 0.2888



84.9111, 0.2837, 0.3735

# 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.



54.1900, 0.2346, 0.3240



54.1900, 0.3561, 0.2888



54.1900, 0.3138, 0.4107

# Square

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



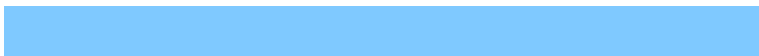
54.1900, 0.3561, 0.2888



54.1900, 0.3990, 0.3997



54.1900, 0.2673, 0.3740



54.1900, 0.2310, 0.2555



# Rectangle

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



54.1900, 0.3561, 0.2888



54.1900, 0.4106, 0.3517



54.1900, 0.2673, 0.3740



54.1900, 0.2238, 0.2937

# Sweetspot

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



54.1909, 0.3561, 0.2888



83.9309, 0.3228, 0.3177



50.0222, 0.2850, 0.2367



17.5184, 0.3244, 0.3160



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.



54.1909, 0.3561, 0.2888



48.1795, 0.3675, 0.2812



53.5783, 0.3915, 0.3323



18.1242, 0.3223, 0.3183



11.7936, 0.5160, 0.2616



1.1700, 0.4882, 0.2463



# Inverse Universe

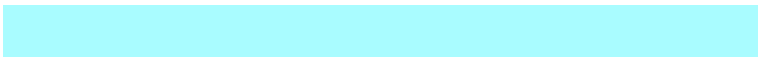
The Inverse Universe completely reimagines the original color for something new.



54.1909, 0.3561, 0.2888



48.1795, 0.3675, 0.2812



85.3594, 0.2643, 0.3257



18.1242, 0.3223, 0.3183



11.7936, 0.5160, 0.2616



1.1700, 0.4882, 0.2463



# Previews

## White Background



This preview shows how the Yxy color 54.1900, 0.3561, 0.2888 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

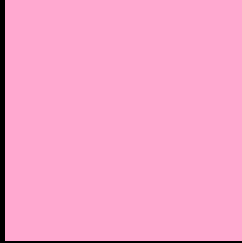
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.1900, 0.3561, 0.2888 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 54.1900, 0.3561, 0.2888**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.1900, 0.3561, 0.2888.



This preview shows how white text looks on a background with the Yxy color 54.1900, 0.3561, 0.2888.

# 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

54.1900, 0.3561, 0.2888

### Protanopia

54.4148, 0.2890, 0.2933

### Deuteranopia

54.3101, 0.3176, 0.3114



## Tritanopia

54.3150, 0.3735, 0.3155

# Trichromacy



## Original Color

54.1900, 0.3561, 0.2888



## Protanomaly

53.6391, 0.3113, 0.2902



## Deuteranomaly

54.0324, 0.3317, 0.3032



## Tritanomaly

54.4709, 0.3673, 0.3061

# Monochromacy



## Original Color

54.1900, 0.3561, 0.2888



## Achromatopsia

57.1125, 0.3127, 0.3290



## Achromatomaly

55.2908, 0.3275, 0.3130

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.1900, 0.3561, 0.2888 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, 169, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 169, 208)  
}
```

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, 169, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 169, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 54.1900, 0.3561, 0.2888 is called "border". The border property can be set on classes, ids or directly on the HTML element.

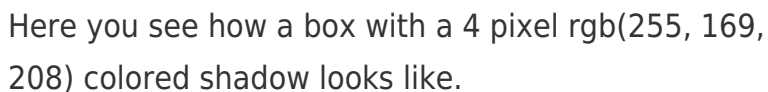
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 169, 208) }
```

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

```
.border{ border-color:rgb(255, 169, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 169, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 169, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 169, 208); box-shadow:4px 4px 4px 4px rgb(255, 169, 208) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.1900, 0.3561, 0.2888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 169, 208) }
```

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

```
.background{ background-color: rgb(255,  
169, 208) }
```

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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