

# Converting Colors

$Yxy(53.8795, 0.4465, 0.2993)$

Have a look what the booklet for  
Yxy(53.8795, 0.4465, 0.2993)  
contains.

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# Color

**Yxy(42.1685, 0.3994, 0.2918)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF89AD
RGB	255, 137, 173
RGB Percent	100%, 54%, 68%
CMY	0.0001, 0.4626, 0.3216
CMYK	0.00, 0.46, 0.32, 0.00
HSL	342°, 100%, 77%
HSV	342°, 46%, 100%
XYZ	57.7180, 42.1685, 44.6252
YIQ	176.3860, 58.7720, 36.2120

# Conversions

## Conversions Part 2

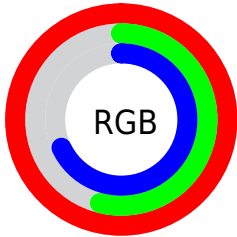
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 137, 173
Decimal	16746925
CIE <sub>Lab</sub>	70.99, 48.47, 1.42
CIE <sub>LCh</sub>	71, 48.487, 1.675
Yxy	42.1685, 0.3994, 0.2918
Android (android.graphics.Color)	4294937005 (0xFFFF89AD)
YUV	176.3860, -1.6693, 68.9445
Hunter-Lab	64.9373, 45.0152, 4.7117

# Details

The Yxy color  $42.1685, 0.3994, 0.2918$  is a light color, and the websafe version is hex  $\text{FF99CC}$ . A complement of this color would be  $81.9342, 0.2669, 0.3715$ , and the grayscale version is  $43.6170, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $65.0014, 0.3357, 0.2937$ , and  $19.1691, 0.4242, 0.2799$  is the 20% darker color. If you saturate the color by 10%, you get  $35.1150, 0.4297, 0.2852$ , and if you desaturate by 10%, it is  $51.0297, 0.3736, 0.2997$ .

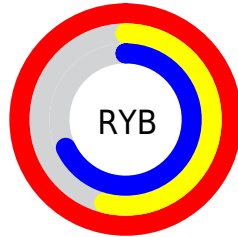
# Distribution



Red (100%)

Green (54%)

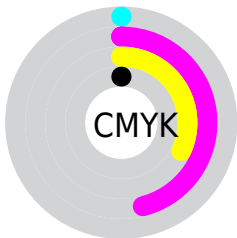
Blue (68%)



Red (100%)

Yellow (54%)

Blue (68%)

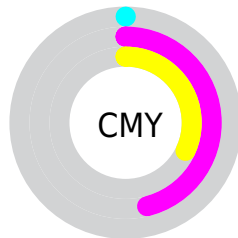


Cyan (0%)

Magenta (46%)

Yellow (32%)

Black (0%)



Cyan (0%)

Magenta (46%)


Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1685, 0.3994, 0.2918 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 42.1685, 0.3994, 0.2918 by changing the saturation by 10% instead.




 42.1685, 0.3994,  
0.2918

 42.1685, 0.3994,  
0.2918


355.1810, 0.3554,  
0.3108


 29.2333, 0.4105,  
0.2869


 78.4546, 0.3833,  
0.2988

 19.2573, 0.4249,  
0.2806


 102.5742, 0.3773,  
0.3014

 11.8564, 0.4441,  
0.2722


 131.1907, 0.3722,  
0.3036

 6.6460, 0.4709,  
0.2603

164.6886, 0.3679,  
0.3055

 3.2417, 0.5109,  
0.2424

203.4521, 0.3641,  
0.3071

 1.2592, 0.5756,  
0.2130

247.8658, 0.3608,

 0.1093, 0.9138,

0.3085

0.0729

298.3139, 0.3580,  
0.3097

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

42.1685, 0.3994,  
0.2918

42.1685, 0.3994,  
0.2918

35.1150, 0.4297,  
0.2852

51.0297, 0.3736,  
0.2997

29.7370, 0.4639,  
0.2809

61.8062, 0.3522,  
0.3081

25.8939, 0.5005,  
0.2802

74.6046, 0.3346,  
0.3164

23.4194, 0.5366,  
0.2841

89.5217, 0.3203,  
0.3243

■ 22.1067, 0.5687,  
0.2927

99.9935, 0.3127,  
0.3290

■ 21.7997, 0.5794,  
0.2965

# Harmonies

## Analogous

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



42.1685, 0.3297, 0.2510



42.1685, 0.3994, 0.2918



42.1685, 0.4447, 0.3421

# Triad

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



42.1685, 0.3994, 0.2918



42.1685, 0.3524, 0.4578



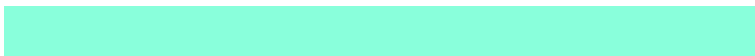
42.1685, 0.1920, 0.2443

# Complementary

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



42.1685, 0.3994, 0.2918



81.9342, 0.2669, 0.3715

# 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.



42.1685, 0.1963, 0.2930



42.1685, 0.3994, 0.2918



42.1685, 0.2848, 0.4306

# Square

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



42.1685, 0.3994, 0.2918



42.1685, 0.4126, 0.4391



42.1685, 0.2284, 0.3640



42.1685, 0.2144, 0.2230



# Rectangle

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



42.1685, 0.3994, 0.2918



42.1685, 0.4519, 0.3773



42.1685, 0.2284, 0.3640



42.1685, 0.1904, 0.2574

# Sweetspot

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



42.1706, 0.3994, 0.2918



77.8032, 0.3311, 0.3182



39.9652, 0.2860, 0.2048



16.0021, 0.3344, 0.3165



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.



42.1706, 0.3994, 0.2918



35.2839, 0.4288, 0.2853



47.7378, 0.4282, 0.3519



18.0782, 0.3246, 0.3218



11.4174, 0.5751, 0.2942



1.1301, 0.5431, 0.2766



# Inverse Universe

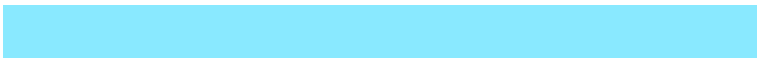
The Inverse Universe completely reimagines the original color for something new.



42.1706, 0.3994, 0.2918



35.2839, 0.4288, 0.2853



71.0119, 0.2463, 0.3036



18.0782, 0.3246, 0.3218



11.4174, 0.5751, 0.2942

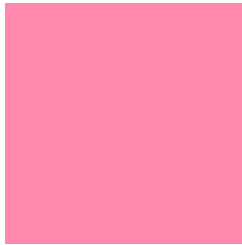


1.1301, 0.5431, 0.2766



# Previews

## White Background



This preview shows how the Yxy color 42.1685, 0.3994, 0.2918 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

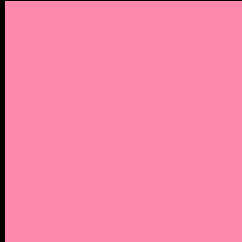
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.1685, 0.3994, 0.2918 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

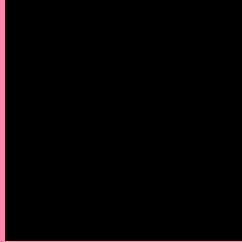
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 42.1685, 0.3994, 0.2918**

## Background



This preview shows how black text looks on a background with the Yxy color 42.1685, 0.3994, 0.2918.

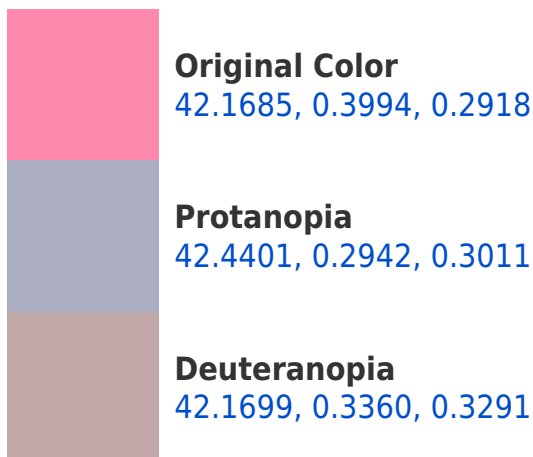


This preview shows how white text looks on a background with the Yxy color 42.1685, 0.3994, 0.2918.

# 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

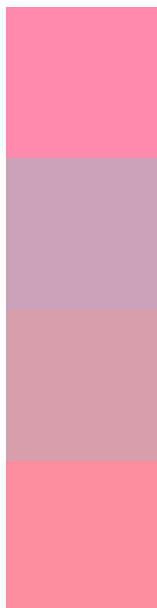




## Tritanopia

42.1668, 0.4205, 0.3188

# Trichromacy



## Original Color

42.1685, 0.3994, 0.2918

## Protanomaly

41.2433, 0.3293, 0.2966

## Deuteranomaly

41.6152, 0.3587, 0.3134

## Tritanomaly

42.3302, 0.4130, 0.3094

# Monochromacy



## Original Color

42.1685, 0.3994, 0.2918

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

41.9149, 0.3421, 0.3128

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.1685, 0.3994, 0.2918 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, 137, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 173)  
}
```

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, 137, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 173) }
```

## Border

The CSS property to change the border of an element to Yxy 42.1685, 0.3994, 0.2918 is called "border". The border property can be set on classes, ids or directly on the HTML element.

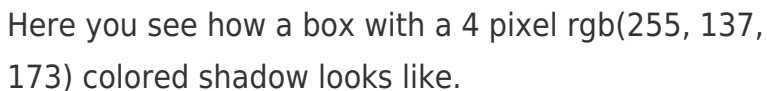
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 137, 173) }
```

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

```
.border{ border-color:rgb(255, 137, 173) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 137, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 137, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 137, 173); box-shadow:4px 4px 4px 4px rgb(255, 137, 173) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.1685, 0.3994, 0.2918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 137, 173) }
```

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

```
.background{ background-color: rgb(255,  
137, 173) }
```

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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