

# Converting Colors

$Y_{xy}(41.8778, 0.4377, 0.3324)$

Have a look what the booklet for  
Yxy(41.8778, 0.4377, 0.3324)  
contains.

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# Color

**Yxy(41.8223, 0.4383, 0.3325)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8C89
RGB	255, 140, 137
RGB Percent	100%, 55%, 54%
CMY	0.0000, 0.4509, 0.4628
CMYK	0.00, 0.45, 0.46, 0.00
HSL	2°, 100%, 77%
HSV	2°, 46%, 100%
XYZ	55.1300, 41.8223, 28.8291
YIQ	174.0430, 69.5030, 23.4470

# Conversions

## Conversions Part 2

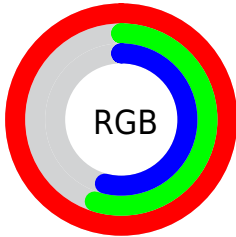
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 140, 137
Decimal	16747657
CIE <sub>Lab</sub>	70.75, 43.07, 21.14
CIE <sub>LCh</sub>	71, 47.978, 26.143
Yxy	41.8223, 0.4383, 0.3325
Android (android.graphics.Color)	4294937737 (0xFFFF8C89)
YUV	174.0430, -18.2622, 70.9993
Hunter-Lab	64.6702, 38.9947, 18.8384

# Details

The Yxy color **41.8223, 0.4383, 0.3325** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **82.1344, 0.2502, 0.3254**, and the grayscale version is **42.4211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0079, 0.3659, 0.3344**, and **19.1066, 0.4765, 0.3295** is the 20% darker color. If you saturate the color by 10%, you get **34.7169, 0.4824, 0.3331**, and if you desaturate by 10%, it is **50.7439, 0.4003, 0.3318**.

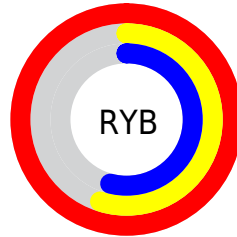
# Distribution



Red (100%)

Green (55%)

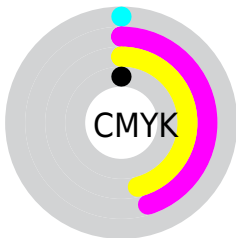
Blue (54%)



Red (100%)

Yellow (55%)

Blue (54%)

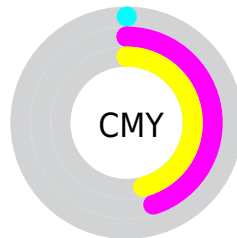


Cyan (0%)

Magenta (45%)

Yellow (46%)

Black (0%)



Cyan (0%)

Magenta (45%)

Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.8223, 0.4383, 0.3325 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 41.8223, 0.4383, 0.3325 by changing the saturation by 10% instead.





 41.8223, 0.4383,  
0.3325

 41.8223, 0.4383,  
0.3325


353.7458, 0.3738,  
0.3335

 28.9622, 0.4546,  
0.3313


 77.9306, 0.4146,  
0.3335

 19.0522, 0.4757,  
0.3293


 101.9476, 0.4058,  
0.3337

 11.7080, 0.5035,  
0.3257


 130.4523, 0.3984,  
0.3338

 6.5452, 0.5418,  
0.3188

163.8292, 0.3920,  
0.3338

 3.1793, 0.5966,  
0.3051

202.4625, 0.3865,  
0.3338

 1.2261, 0.7112,  
0.2888

246.7368, 0.3818,

 0.0828, 0.9336,

0.3337

0.0664

297.0364, 0.3776,  
0.3336

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

41.8223, 0.4383,  
0.3325

41.8223, 0.4383,  
0.3325

34.7169, 0.4824,  
0.3331

50.7439, 0.4003,  
0.3318

29.2971, 0.5302,  
0.3333

61.5876, 0.3690,  
0.3310

25.4255, 0.5761,  
0.3331

74.4589, 0.3436,  
0.3302

22.9401, 0.6129,  
0.3322

89.4537, 0.3233,  
0.3294

■ 21.6432, 0.6343,  
0.3310

99.9980, 0.3127,  
0.3290

■ 21.4000, 0.6388,  
0.3310

# Harmonies

## Analogous

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



41.8223, 0.3870, 0.2837



41.8223, 0.4383, 0.3325



41.8223, 0.4499, 0.3847

# Triad

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



41.8223, 0.4383, 0.3325



41.8223, 0.2972, 0.4384



41.8223, 0.2090, 0.2257

# Complementary

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



41.8223, 0.4383, 0.3325



82.1344, 0.2502, 0.3254

# 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.



41.8223, 0.1915, 0.2517



41.8223, 0.4383, 0.3325



41.8223, 0.2378, 0.3774

# Square

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



41.8223, 0.4383, 0.3325



41.8223, 0.3643, 0.4564



41.8223, 0.2009, 0.3051



41.8223, 0.2521, 0.2249



# Rectangle

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



41.8223, 0.4383, 0.3325



41.8223, 0.4343, 0.4173



41.8223, 0.2009, 0.3051



41.8223, 0.2003, 0.2314

# Sweetspot

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



41.8244, 0.4383, 0.3325



77.6899, 0.3386, 0.3300



46.2395, 0.3197, 0.2177



15.9742, 0.3434, 0.3302



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.



41.8244, 0.4383, 0.3325



34.8934, 0.4811, 0.3331



63.4318, 0.4075, 0.3920



18.0616, 0.3294, 0.3297



11.2153, 0.6383, 0.3314



1.1171, 0.6340, 0.3348



# Inverse Universe

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



82.1344, 0.2502, 0.3254



79.8833, 0.2412, 0.3245



51.1303, 0.2374, 0.2547



20.3968, 0.2980, 0.3283



39.0359, 0.2225, 0.3209

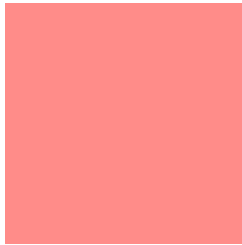


3.8251, 0.2227, 0.3219



# Previews

## White Background



This preview shows how the Yxy color 41.8223, 0.4383, 0.3325 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

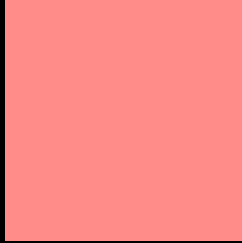
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.8223, 0.4383, 0.3325 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

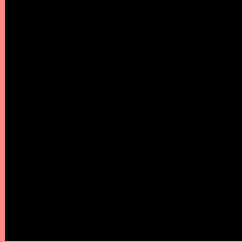
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.8223, 0.4383, 0.3325**

## Background



This preview shows how black text looks on a background with the Yxy color 41.8223, 0.4383, 0.3325.



This preview shows how white text looks on a background with the Yxy color 41.8223, 0.4383, 0.3325.

# 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

41.8223, 0.4383, 0.3325

### Protanopia

42.0108, 0.3371, 0.3563

### Deuteranopia

41.7757, 0.3809, 0.3726



## Tritanopia

41.8952, 0.4255, 0.3189

# Trichromacy



## Original Color

41.8223, 0.4383, 0.3325



## Protanomaly

41.0062, 0.3724, 0.3468



## Deuteranomaly

41.5231, 0.4019, 0.3567



## Tritanomaly

41.7696, 0.4300, 0.3231

# Monochromacy



## Original Color

41.8223, 0.4383, 0.3325



## Achromatopsia

42.3268, 0.3127, 0.3290



## Achromatomaly

41.1104, 0.3535, 0.3304

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.8223, 0.4383, 0.3325 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, 140, 137)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 137)  
}
```

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, 140, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 137) }
```

## Border

The CSS property to change the border of an element to Yxy 41.8223, 0.4383, 0.3325 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, 140, 137) }
```

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

```
.border{ border-color:rgb(255, 140, 137) }
```

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

Here you see how a box with a 4 pixel rgb(255, 140, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 137);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
137) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.8223, 0.4383, 0.3325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 137) }
```

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

```
.background{ background-color: rgb(255,  
140, 137) }
```

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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