

# Converting Colors

$Y_{xy}(45.2282, 0.4313, 0.3429)$

Have a look what the booklet for  
Yxy(45.2282, 0.4313, 0.3429)  
contains.

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# Color

**Yxy(45.2282, 0.4313, 0.3429)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF978A
RGB	255, 151, 138
RGB Percent	100%, 59%, 54%
CMY	0.0001, 0.4078, 0.4588
CMYK	0.00, 0.41, 0.46, 0.00
HSL	7°, 100%, 77%
HSV	7°, 46%, 100%
XYZ	56.8881, 45.2282, 29.7828
YIQ	180.6140, 66.1570, 18.0050

# Conversions

## Conversions Part 2

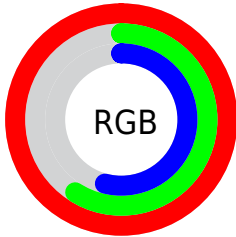
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 153, 138</a>
Decimal	<a href="#">16750474</a>
CIELab	<a href="#">73.04, 37.57, 23.69</a>
CIELCh	<a href="#">73, 44.417, 32.238</a>
Yxy	<a href="#">45.2282, 0.4313, 0.3429</a>
Android (android.graphics.Color)	<a href="#">4294940554 (0xFFFF978A)</a>
YUV	<a href="#">180.6140, -21.0087, 65.2365</a>
Hunter-Lab	<a href="#">67.2519, 33.3015, 20.8195</a>

# Details

The Yxy color **45.2282, 0.4313, 0.3429** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **76.1107, 0.2486, 0.3139**, and the grayscale version is **46.0807, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1642, 0.3623, 0.3446**, and **21.0420, 0.4659, 0.3424** is the 20% darker color. If you saturate the color by 10%, you get **37.9685, 0.4723, 0.3452**, and if you desaturate by 10%, it is **54.0679, 0.3959, 0.3400**.

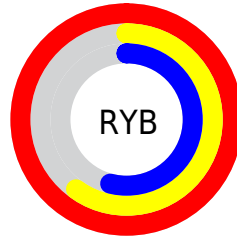
# Distribution



Red (100%)

Green (59%)

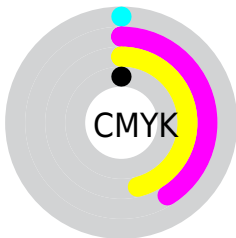
Blue (54%)



Red (100%)

Yellow (60%)

Blue (54%)

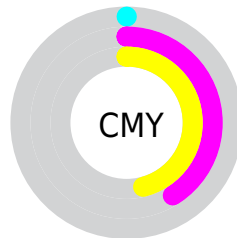


Cyan (0%)

Magenta (41%)

Yellow (46%)

Black (0%)



Cyan (0%)

Magenta (41%)


Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2282, 0.4313, 0.3429 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 45.2282, 0.4313, 0.3429 by changing the saturation by 10% instead.





 45.2282, 0.4313,  
0.3429

 45.2282, 0.4313,  
0.3429


367.6970, 0.3712,  
0.3386

 31.6372, 0.4463,  
0.3431

 83.0627, 0.4094,  
0.3420

 21.0845, 0.4654,  
0.3428


 108.0751, 0.4012,  
0.3415

 13.1858, 0.4906,  
0.3415


 137.6633, 0.3943,  
0.3409

 7.5566, 0.5248,  
0.3380

172.2119, 0.3883,  
0.3404

 3.8126, 0.5730,  
0.3294

212.1051, 0.3832,  
0.3399

 1.5693, 0.6762,  
0.3238

257.7275, 0.3787,

 0.3368, 0.7945,

0.3395

0.2055

309.4633, 0.3747,  
0.3390

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

45.2282, 0.4313,  
0.3429

45.2282, 0.4313,  
0.3429

37.9685, 0.4723,  
0.3452

54.0679, 0.3959,  
0.3400

32.1889, 0.5171,  
0.3462

64.5660, 0.3664,  
0.3368

27.7892, 0.5617,  
0.3454

76.8040, 0.3422,  
0.3336

24.6532, 0.5999,  
0.3424

90.8559, 0.3225,  
0.3306

■ 22.6457, 0.6257,  
0.3376

99.9951, 0.3127,  
0.3290

■ 22.1021, 0.6328,  
0.3358

# Harmonies

## Analogous

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



45.2282, 0.3914, 0.2965



45.2282, 0.4313, 0.3429



45.2282, 0.4344, 0.3905

# Triad

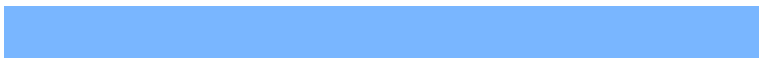
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



45.2282, 0.4313, 0.3429



45.2282, 0.2873, 0.4180



45.2282, 0.2243, 0.2328

# Complementary

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



45.2282, 0.4313, 0.3429



76.1107, 0.2486, 0.3139

# 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.



45.2282, 0.2031, 0.2524



45.2282, 0.4313, 0.3429



45.2282, 0.2362, 0.3593

# Square

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



45.2282, 0.4313, 0.3429



45.2282, 0.3483, 0.4436



45.2282, 0.2069, 0.2965



45.2282, 0.2685, 0.2360



# Rectangle

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



45.2282, 0.4313, 0.3429



45.2282, 0.4165, 0.4182



45.2282, 0.2069, 0.2965



45.2282, 0.2145, 0.2366

# Sweetspot

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



45.2305, 0.4313, 0.3429



79.3094, 0.3382, 0.3331



45.9252, 0.3281, 0.2264



16.3622, 0.3428, 0.3337



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.



45.2305, 0.4313, 0.3429



38.5485, 0.4686, 0.3450



68.2960, 0.4017, 0.4009



18.3120, 0.3292, 0.3317



11.6548, 0.6311, 0.3371

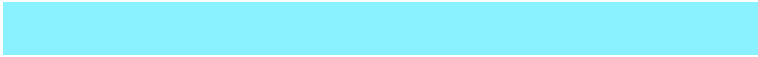


1.2355, 0.6154, 0.3496

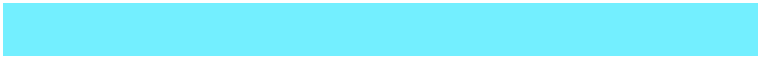


# Inverse Universe

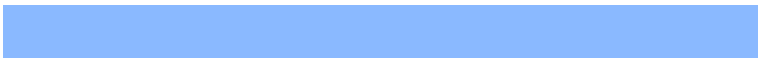
The Inverse Universe completely reimagines the original color for something new.



76.1107, 0.2486, 0.3139



72.8201, 0.2390, 0.3104



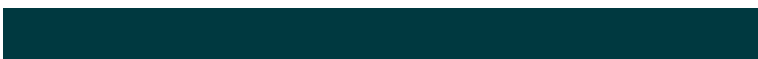
47.2378, 0.2358, 0.2430



20.1161, 0.2980, 0.3263



32.5176, 0.2149, 0.2935

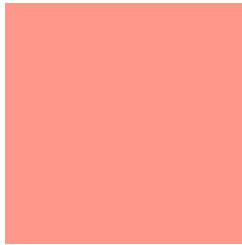


3.2603, 0.2161, 0.2979



# Previews

## White Background



This preview shows how the Yxy color 45.2282, 0.4313, 0.3429 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

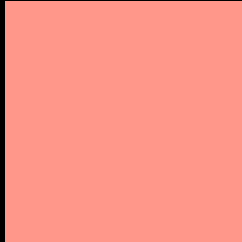
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.2282, 0.4313, 0.3429 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 45.2282, 0.4313, 0.3429**

## Background



This preview shows how black text looks on a background with the Yxy color 45.2282, 0.4313, 0.3429.



This preview shows how white text looks on a background with the Yxy color 45.2282, 0.4313, 0.3429.

# 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

45.2282, 0.4313, 0.3429

### Protanopia

45.2934, 0.3450, 0.3660

### Deuteranopia

45.2233, 0.3842, 0.3760



## Tritanopia

45.2581, 0.4103, 0.3188

# Trichromacy



## Original Color

45.2282, 0.4313, 0.3429

## Protanomaly

44.5974, 0.3753, 0.3575

## Deuteranomaly

44.7942, 0.4023, 0.3630

## Tritanomaly

45.3071, 0.4183, 0.3283

# Monochromacy



## Original Color

45.2282, 0.4313, 0.3429

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

44.8760, 0.3525, 0.3353

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.2282, 0.4313, 0.3429 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, 151, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 151, 138)  
}
```

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, 151, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 151, 138) }
```

## Border

The CSS property to change the border of an element to Yxy 45.2282, 0.4313, 0.3429 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, 151, 138) }
```

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

```
.border{ border-color:rgb(255, 151, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 151, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 151, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 151, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 151,  
138) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.2282, 0.4313, 0.3429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 151, 138) }
```

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

```
.background{ background-color: rgb(255,  
151, 138) }
```

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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