

# Converting Colors

$Y_{xy}(46.3870, 0.4135, 0.3279)$

Have a look what the booklet for  
Yxy(46.3870, 0.4135, 0.3279)  
contains.

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# Color

**Yxy(46.3756, 0.4138, 0.3282)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF999A
RGB	255, 153, 154
RGB Percent	100%, 60%, 60%
CMY	0.0000, 0.4000, 0.3959
CMYK	0.00, 0.40, 0.40, 0.00
HSL	359°, 100%, 80%
HSV	359°, 40%, 100%
XYZ	58.4711, 46.3756, 36.4561
YIQ	183.6120, 60.4710, 21.9350

# Conversions

## Conversions Part 2

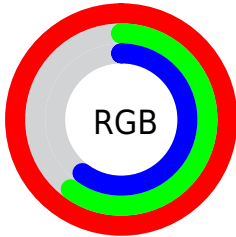
Format	Color
<a href="#">RYB</a>	<a href="#">255, 153, 154</a>
Decimal	<a href="#">16751002</a>
CIELab	<a href="#">73.79, 38.22, 15.93</a>
CIElCh	<a href="#">74, 41.410, 22.624</a>
Yxy	<a href="#">46.3756, 0.4138, 0.3282</a>
Android (android.graphics.Color)	<a href="#">4294941082</a> (0xFFFF999A)
YUV	<a href="#">183.6120, -14.5987, 62.6073</a>
Hunter-Lab	<a href="#">68.0996, 34.0878, 15.9297</a>

# Details

The Yxy color **46.3756, 0.4138, 0.3282** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **85.4448, 0.2579, 0.3300**, and the grayscale version is **47.7636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4150, 0.3487, 0.3301**, and **21.6957, 0.4426, 0.3254** is the 20% darker color. If you saturate the color by 10%, you get **38.1460, 0.4545, 0.3281**, and if you desaturate by 10%, it is **56.5632, 0.3798, 0.3284**.

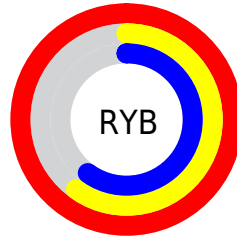
# Distribution



Red (100%)

Green (60%)

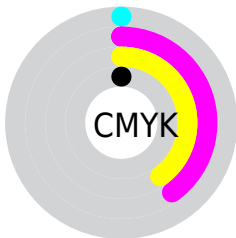
Blue (60%)



Red (100%)

Yellow (60%)

Blue (60%)

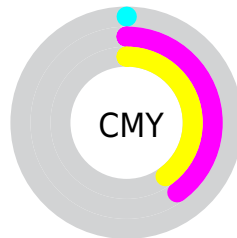


Cyan (0%)

Magenta (40%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (40%)

Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3756, 0.4138, 0.3282 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 46.3756, 0.4138, 0.3282 by changing the saturation by 10% instead.





 46.3756, 0.4138,  
0.3282


 46.3756, 0.4138,  
0.3282


372.3166, 0.3627,  
0.3303

 32.5423, 0.4266,  
0.3272


 84.7808, 0.3952,  
0.3293

 21.7761, 0.4430,  
0.3255


 110.1216, 0.3882,  
0.3297

 13.6924, 0.4647,  
0.3229


140.0669, 0.3823,  
0.3299

 7.9071, 0.4946,  
0.3182

175.0013, 0.3773,  
0.3300

 4.0355, 0.5380,  
0.3095

215.3090, 0.3729,  
0.3301

 1.6935, 0.6107,  
0.2940

261.3746, 0.3691,

 0.4194, 0.7736,

0.3302

0.2264

313.5823, 0.3657,  
0.3303

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

46.3756, 0.4138,  
0.3282

46.3756, 0.4138,  
0.3282

38.1460, 0.4545,  
0.3281

56.5632, 0.3798,  
0.3284

31.7519, 0.5008,  
0.3281

68.8269, 0.3523,  
0.3286

27.0517, 0.5491,  
0.3283

83.2713, 0.3303,  
0.3288

23.8848, 0.5926,  
0.3287

99.9953, 0.3127,  
0.3290

■ 22.0596, 0.6239,  
0.3292

100.0000, 0.3127,  
0.3290

■ 21.2657, 0.6394,  
0.3296

# Harmonies

## Analogous

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



46.3756, 0.3684, 0.2864



46.3756, 0.4138, 0.3282



46.3756, 0.4284, 0.3732

# Triad

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



46.3756, 0.4138, 0.3282



46.3756, 0.3075, 0.4223



46.3756, 0.2215, 0.2429

# Complementary

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



46.3756, 0.4138, 0.3282



85.4448, 0.2579, 0.3300

# 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.



46.3756, 0.2090, 0.2689



46.3756, 0.4138, 0.3282



46.3756, 0.2553, 0.3760

# Square

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



46.3756, 0.4138, 0.3282



46.3756, 0.3638, 0.4342



46.3756, 0.2204, 0.3168



46.3756, 0.2564, 0.2390



# Rectangle

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



46.3756, 0.4138, 0.3282



46.3756, 0.4188, 0.4009



46.3756, 0.2204, 0.3168



46.3756, 0.2147, 0.2490

# Sweetspot

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



46.3745, 0.4138, 0.3282



80.2071, 0.3343, 0.3288



50.9392, 0.3159, 0.2297



16.7491, 0.3370, 0.3287



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.



46.3745, 0.4138, 0.3282



39.6428, 0.4458, 0.3281



65.9400, 0.3932, 0.3803



17.9901, 0.3293, 0.3288



11.1131, 0.6390, 0.3294



1.0831, 0.6365, 0.3280



# Inverse Universe

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



46.3745, 0.4138, 0.3282



39.6428, 0.4458, 0.3281



57.9884, 0.2483, 0.2708



17.9901, 0.3293, 0.3288



11.1131, 0.6390, 0.3294

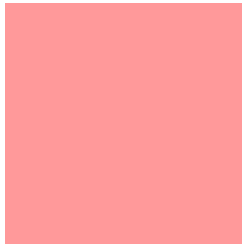


1.0831, 0.6365, 0.3280



# Previews

## White Background



This preview shows how the Yxy color 46.3756, 0.4138, 0.3282 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

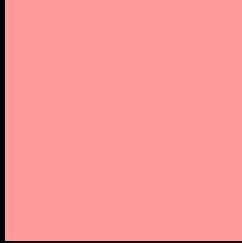
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.3756, 0.4138, 0.3282 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 46.3756, 0.4138, 0.3282**

## Background



This preview shows how black text looks on a background with the Yxy color 46.3756, 0.4138, 0.3282.



This preview shows how white text looks on a background with the Yxy color 46.3756, 0.4138, 0.3282.

# 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

46.3756, 0.4138, 0.3282

### Protanopia

46.5663, 0.3294, 0.3460

### Deuteranopia

46.5636, 0.3666, 0.3601



## Tritanopia

46.3608, 0.4049, 0.3177

# Trichromacy



## Original Color

46.3756, 0.4138, 0.3282



## Protanomaly

45.7672, 0.3579, 0.3389



## Deuteranomaly

46.0405, 0.3837, 0.3480



## Tritanomaly

46.2545, 0.4080, 0.3209

# Monochromacy



## Original Color

46.3756, 0.4138, 0.3282



## Achromatopsia

47.9320, 0.3127, 0.3290



## Achromatomaly

46.6059, 0.3465, 0.3291

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.3756, 0.4138, 0.3282 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, 153, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 154)  
}
```

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, 153, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 154) }
```

## Border

The CSS property to change the border of an element to Yxy 46.3756, 0.4138, 0.3282 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, 153, 154) }
```

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

```
.border{ border-color:rgb(255, 153, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 153, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 153, 154); box-shadow:4px 4px 4px 4px rgb(255, 153, 154) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.3756, 0.4138, 0.3282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 154) }
```

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

```
.background{ background-color: rgb(255,  
153, 154) }
```

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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