

# Converting Colors

$Y_{xy}(46.6051, 0.4145, 0.3301)$

Have a look what the booklet for  
Yxy(46.6051, 0.4145, 0.3301)  
contains.

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# Color

**Yxy(46.6711, 0.4144, 0.3304)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9A99
RGB	255, 154, 153
RGB Percent	100%, 60%, 60%
CMY	0.0001, 0.3960, 0.4001
CMYK	0.00, 0.40, 0.40, 0.00
HSL	1°, 100%, 80%
HSV	1°, 40%, 100%
XYZ	58.5366, 46.6711, 36.0486
YIQ	184.0850, 60.5170, 21.1010

# Conversions

## Conversions Part 2

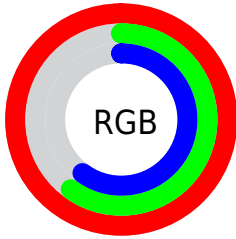
Format	Color
<a href="#">RYB</a>	<a href="#">255, 154, 153</a>
Decimal	<a href="#">16751257</a>
CIELab	<a href="#">73.98, 37.56, 16.78</a>
CIElCh	<a href="#">74, 41.139, 24.068</a>
Yxy	<a href="#">46.6711, 0.4144, 0.3304</a>
Android (android.graphics.Color)	<a href="#">4294941337</a> (0xFFFF9A99)
YUV	<a href="#">184.0850, -15.3249, 62.1925</a>
Hunter-Lab	<a href="#">68.3162, 33.3939, 16.5357</a>

# Details

The Yxy color **46.6711, 0.4144, 0.3304** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **84.8239, 0.2573, 0.3277**, and the grayscale version is **48.0447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8582, 0.3492, 0.3322**, and **21.8688, 0.4434, 0.3281** is the 20% darker color. If you saturate the color by 10%, you get **38.4450, 0.4552, 0.3308**, and if you desaturate by 10%, it is **56.8327, 0.3803, 0.3300**.

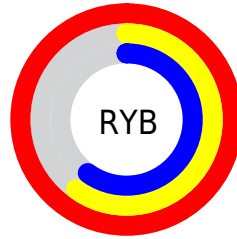
# Distribution



Red (100%)

Green (60%)

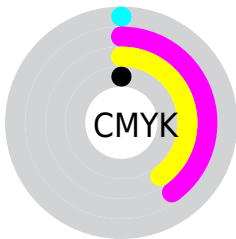
Blue (60%)



Red (100%)

Yellow (60%)

Blue (60%)

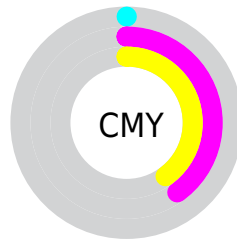


Cyan (0%)

Magenta (40%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (40%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6711, 0.4144, 0.3304 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 46.6711, 0.4144, 0.3304 by changing the saturation by 10% instead.




 46.6711, 0.4144,  
0.3304

 46.6711, 0.4144,  
0.3304


373.5002, 0.3631,  
0.3315

 32.7757, 0.4272,  
0.3296


 85.2225, 0.3957,  
0.3312

 21.9547, 0.4437,  
0.3283


 110.6473, 0.3887,  
0.3314

 13.8236, 0.4654,  
0.3259


140.6840, 0.3828,  
0.3315

 7.9981, 0.4953,  
0.3217

175.7170, 0.3777,  
0.3315

 4.0937, 0.5385,  
0.3136

216.1307, 0.3733,  
0.3315

 1.7261, 0.6118,  
0.2994

262.3096, 0.3695,

 0.4405, 0.7656,

0.3315

0.2344

314.6379, 0.3661,  
0.3315

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

46.6711, 0.4144,  
0.3304

46.6711, 0.4144,  
0.3304

38.4450, 0.4552,  
0.3308

56.8327, 0.3803,  
0.3300

32.0252, 0.5017,  
0.3310

69.0344, 0.3526,  
0.3297

27.2779, 0.5499,  
0.3311

83.3815, 0.3304,  
0.3293

24.0479, 0.5933,  
0.3310

99.9701, 0.3127,  
0.3290

■ 22.1508, 0.6243,  
0.3306

99.9951, 0.3127,  
0.3290

■ 21.3121, 0.6396,  
0.3304

# Harmonies

## Analogous

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



46.6711, 0.3706, 0.2886



46.6711, 0.4144, 0.3304



46.6711, 0.4272, 0.3750

# Triad

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



46.6711, 0.4144, 0.3304



46.6711, 0.3048, 0.4199



46.6711, 0.2233, 0.2429

# Complementary

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



46.6711, 0.4144, 0.3304



84.8239, 0.2573, 0.3277

# 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.



46.6711, 0.2098, 0.2677



46.6711, 0.4144, 0.3304



46.6711, 0.2536, 0.3729

# Square

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



46.6711, 0.4144, 0.3304



46.6711, 0.3609, 0.4336



46.6711, 0.2201, 0.3143



46.6711, 0.2591, 0.2400



# Rectangle

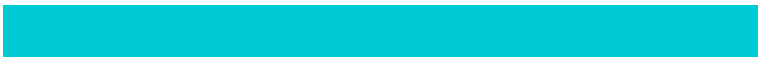
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.6711, 0.4144, 0.3304



46.6711, 0.4167, 0.4022



46.6711, 0.2201, 0.3143



46.6711, 0.2163, 0.2486

# Sweetspot

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



46.6734, 0.4144, 0.3304



80.3600, 0.3345, 0.3294



51.2476, 0.3174, 0.2302



16.7847, 0.3372, 0.3294



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.



46.6734, 0.4144, 0.3304



39.9539, 0.4465, 0.3307



66.7278, 0.3925, 0.3820



18.0170, 0.3294, 0.3293



11.1515, 0.6394, 0.3305



1.0959, 0.6376, 0.3319



# Inverse Universe

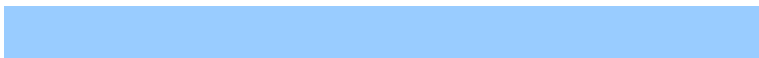
The Inverse Universe completely reimagines the original color for something new.



84.8239, 0.2573, 0.3277



82.8929, 0.2489, 0.3274



57.1617, 0.2480, 0.2687



20.4475, 0.2980, 0.3287



40.2891, 0.2238, 0.3256

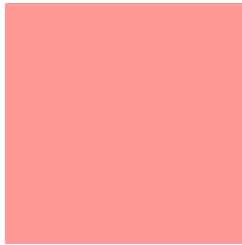


3.9327, 0.2239, 0.3260



# Previews

## White Background



This preview shows how the Yxy color 46.6711, 0.4144, 0.3304 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 46.6711, 0.4144, 0.3304 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 46.6711, 0.4144, 0.3304**

## Background



This preview shows how black text looks on a background with the Yxy color 46.6711, 0.4144, 0.3304.



This preview shows how white text looks on a background with the Yxy color 46.6711, 0.4144, 0.3304.

# 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

46.6711, 0.4144, 0.3304

### Protanopia

47.0647, 0.3309, 0.3485

### Deuteranopia

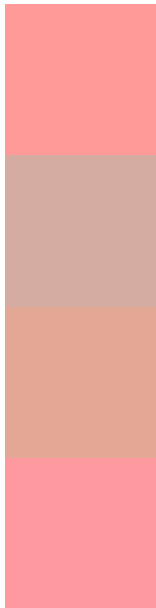
46.6788, 0.3685, 0.3612



## Tritanopia

46.7228, 0.4034, 0.3177

# Trichromacy



**Original Color**

46.6711, 0.4144, 0.3304

**Protanomaly**

46.2598, 0.3595, 0.3414

**Deuteranomaly**

46.1703, 0.3856, 0.3491

**Tritanomaly**

46.5805, 0.4076, 0.3219

# Monochromacy



**Original Color**

46.6711, 0.4144, 0.3304

**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 46.6711, 0.4144, 0.3304 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, 154, 153)` looks like.

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

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, 154, 153) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to Yxy 46.6711, 0.4144, 0.3304 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, 154, 153) }
```

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

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

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

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

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



# Background

The CSS property to change the background color of an element to Yxy 46.6711, 0.4144, 0.3304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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