

# Converting Colors

$Y_{xy}(52.4462, 0.4600, 0.3471)$

Have a look what the booklet for  
Yxy(52.4462, 0.4600, 0.3471)  
contains.

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# Color

**Yxy(46.0924, 0.4338, 0.3502)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9A86
RGB	255, 154, 134
RGB Percent	100%, 60%, 53%
CMY	0.0000, 0.3960, 0.4746
CMYK	0.00, 0.40, 0.47, 0.00
HSL	10°, 100%, 76%
HSV	10°, 47%, 100%
XYZ	57.0956, 46.0924, 28.4294
YIQ	181.9190, 66.6160, 15.1920

# Conversions

## Conversions Part 2

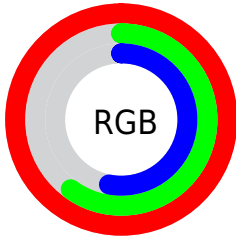
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 158, 134
Decimal	16751238
CIE Lab	73.61, 35.65, 26.66
CIE LCh	74, 44.519, 36.791
Yxy	46.0924, 0.4338, 0.3502
Android (android.graphics.Color)	4294941318 (0xFFFF9A86)
YUV	181.9190, -23.6241, 64.0920
Hunter-Lab	67.8914, 31.3058, 22.6964

# Details

The Yxy color **46.0924, 0.4338, 0.3502** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **71.6738, 0.2453, 0.3055**, and the grayscale version is **46.8370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4488, 0.3646, 0.3519**, and **21.5496, 0.4689, 0.3513** is the 20% darker color. If you saturate the color by 10%, you get **39.0547, 0.4736, 0.3535**, and if you desaturate by 10%, it is **54.5510, 0.3990, 0.3459**.

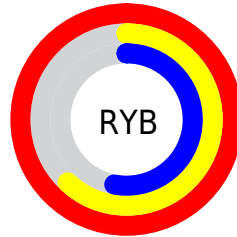
# Distribution



Red (100%)

Green (60%)

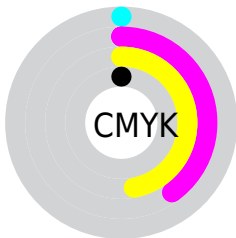
Blue (53%)



Red (100%)

Yellow (62%)

Blue (53%)

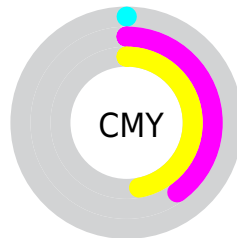


Cyan (0%)

Magenta (40%)

Yellow (47%)

Black (0%)



Cyan (0%)

Magenta (40%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0924, 0.4338, 0.3502 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 46.0924, 0.4338, 0.3502 by changing the saturation by 10% instead.





 46.0924, 0.4338,  
0.3502

 46.0924, 0.4338,  
0.3502


371.1800, 0.3727,  
0.3426


 32.3187, 0.4489,  
0.3511


 84.3573, 0.4116,  
0.3482

 21.6051, 0.4681,  
0.3517


 109.6173, 0.4033,  
0.3472

 13.5670, 0.4932,  
0.3514


 139.4748, 0.3962,  
0.3463

 7.8201, 0.5270,  
0.3491

174.3144, 0.3902,  
0.3454

 3.9801, 0.5739,  
0.3418

214.5202, 0.3849,  
0.3446

 1.6624, 0.6656,  
0.3344

260.4769, 0.3803,

 0.3991, 0.7677,

0.3439

0.2323

312.5687, 0.3763,  
0.3432

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

46.0924, 0.4338,  
0.3502

46.0924, 0.4338,  
0.3502

39.0547, 0.4736,  
0.3535

54.5510, 0.3990,  
0.3459

33.3527, 0.5166,  
0.3550

64.4957, 0.3696,  
0.3412

28.9026, 0.5591,  
0.3539

75.9960, 0.3453,  
0.3366

25.6081, 0.5956,  
0.3497

89.1150, 0.3253,  
0.3321

■ 23.3572, 0.6210,  
0.3428

99.9991, 0.3127,  
0.3290

■ 22.9316, 0.6260,  
0.3412

# Harmonies

## Analogous

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



46.0924, 0.3990, 0.3033



46.0924, 0.4338, 0.3502



46.0924, 0.4312, 0.3970

# Triad

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



46.0924, 0.4338, 0.3502



46.0924, 0.2787, 0.4102



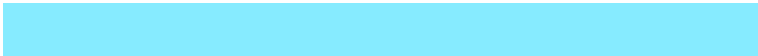
46.0924, 0.2299, 0.2322

# Complementary

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



46.0924, 0.4338, 0.3502



71.6738, 0.2453, 0.3055

# 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.



46.0924, 0.2051, 0.2481



46.0924, 0.4338, 0.3502



46.0924, 0.2305, 0.3492

# Square

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



46.0924, 0.4338, 0.3502



46.0924, 0.3390, 0.4420



46.0924, 0.2051, 0.2885



46.0924, 0.2771, 0.2386



# Rectangle

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



46.0924, 0.4338, 0.3502



46.0924, 0.4102, 0.4233



46.0924, 0.2051, 0.2885



46.0924, 0.2190, 0.2349

# Sweetspot

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



46.0947, 0.4338, 0.3502



80.3558, 0.3379, 0.3350



44.4055, 0.3342, 0.2282



16.6135, 0.3424, 0.3360



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.



46.0947, 0.4338, 0.3502



39.3519, 0.4717, 0.3534



70.3849, 0.4023, 0.4090



18.4729, 0.3290, 0.3330



12.1244, 0.6238, 0.3429

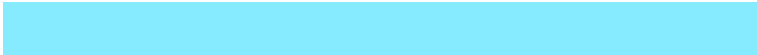


1.3110, 0.6046, 0.3582

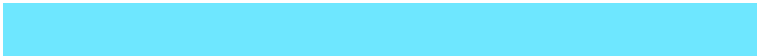


# Inverse Universe

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



71.6738, 0.2453, 0.3055



67.6235, 0.2350, 0.2999



43.4645, 0.2317, 0.2316



19.9390, 0.2980, 0.3250



28.7671, 0.2098, 0.2752



2.9310, 0.2117, 0.2820



# Previews

## White Background



This preview shows how the Yxy color 46.0924, 0.4338, 0.3502 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 46.0924, 0.4338, 0.3502 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 46.0924, 0.4338, 0.3502**

## Background



This preview shows how black text looks on a background with the Yxy color 46.0924, 0.4338, 0.3502.



This preview shows how white text looks on a background with the Yxy color 46.0924, 0.4338, 0.3502.

# 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

46.0924, 0.4338, 0.3502

### Protanopia

46.3295, 0.3515, 0.3748

### Deuteranopia

46.3309, 0.3897, 0.3826



## Tritanopia

46.0019, 0.4063, 0.3177

# Trichromacy



**Original Color**

46.0924, 0.4338, 0.3502

**Protanomaly**

45.5259, 0.3801, 0.3646

**Deuteranomaly**

46.0991, 0.4065, 0.3707

**Tritanomaly**

45.9835, 0.4163, 0.3293

# Monochromacy



**Original Color**

46.0924, 0.4338, 0.3502

**Achromatopsia**

46.7784, 0.3127, 0.3290

**Achromatomaly**

45.7770, 0.3530, 0.3378

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.0924, 0.4338, 0.3502 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, 134)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 134)  
}
```

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, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 134) }
```

## Border

The CSS property to change the border of an element to Yxy 46.0924, 0.4338, 0.3502 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, 134) }
```

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

```
.border{ border-color:rgb(255, 154, 134) }
```

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, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 134);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
134) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.0924, 0.4338, 0.3502 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, 134) }
```

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

```
.background{ background-color: rgb(255,  
154, 134) }
```

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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