

# Converting Colors

$Y_{xy}(42.7014, 0.4437, 0.3434)$

Have a look what the booklet for  
Yxy(42.7014, 0.4437, 0.3434)  
contains.

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# Color

**Yxy(42.8182, 0.4436, 0.3438)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9082
RGB	255, 144, 130
RGB Percent	100%, 56%, 51%
CMY	0.0000, 0.4353, 0.4901
CMYK	0.00, 0.44, 0.49, 0.00
HSL	7°, 100%, 75%
HSV	7°, 49%, 100%
XYZ	55.2477, 42.8182, 26.4780
YIQ	175.5930, 70.6500, 19.1780

# Conversions

## Conversions Part 2

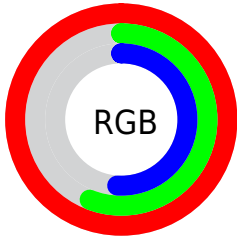
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 146, 130
Decimal	16748674
CIE Lab	71.43, 40.42, 25.91
CIE LCh	71, 48.012, 32.658
Yxy	42.8182, 0.4436, 0.3438
Android (android.graphics.Color)	4294938754 (0xFFFF9082)
YUV	175.5930, -22.4773, 69.6399
Hunter-Lab	65.4356, 36.1963, 21.8137

# Details

The Yxy color **42.8182, 0.4436, 0.3438** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **74.8912, 0.2451, 0.3126**, and the grayscale version is **43.2837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5257, 0.3705, 0.3458**, and **19.5456, 0.4809, 0.3421** is the 20% darker color. If you saturate the color by 10%, you get **36.0295, 0.4861, 0.3458**, and if you desaturate by 10%, it is **51.1513, 0.4063, 0.3410**.

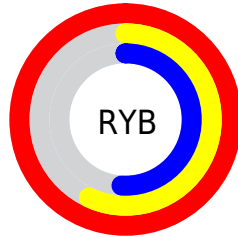
# Distribution



Red (100%)

Green (56%)

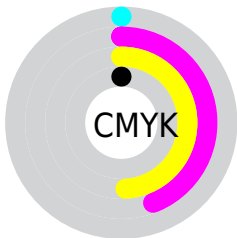
Blue (51%)



Red (100%)

Yellow (57%)

Blue (51%)

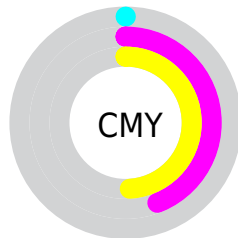


Cyan (0%)

Magenta (44%)

Yellow (49%)

Black (0%)



Cyan (0%)

Magenta (44%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.8182, 0.4436, 0.3438 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 42.8182, 0.4436, 0.3438 by changing the saturation by 10% instead.





 42.8182, 0.4436,  
0.3438


 42.8182, 0.4436,  
0.3438


357.8636, 0.3768,  
0.3396

 29.7425, 0.4604,  
0.3437


 79.4364, 0.4192,  
0.3431

 19.6432, 0.4818,  
0.3430


 103.7478, 0.4100,  
0.3426

 12.1360, 0.5099,  
0.3408


 132.5731, 0.4023,  
0.3421

 6.8363, 0.5480,  
0.3355

166.2968, 0.3957,  
0.3415

 3.3600, 0.6018,  
0.3238

205.3034, 0.3900,  
0.3410

 1.3224, 0.6966,  
0.3034

249.9771, 0.3850,

 0.1585, 0.8810,

0.3405

0.1190

300.7023, 0.3806,  
0.3401

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

42.8182, 0.4436,  
0.3438

42.8182, 0.4436,  
0.3438

36.0295, 0.4861,  
0.3458

51.1513, 0.4063,  
0.3410

30.6917, 0.5313,  
0.3463

61.1180, 0.3750,  
0.3378

26.6978, 0.5746,  
0.3448

72.7987, 0.3492,  
0.3346

23.9271, 0.6094,  
0.3412

86.2686, 0.3282,  
0.3316

■ 22.2328, 0.6311,  
0.3362

100.0000, 0.3127,  
0.3290

■ 22.1153, 0.6327,  
0.3358

# Harmonies

## Analogous

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



42.8182, 0.4001, 0.2939



42.8182, 0.4436, 0.3438



42.8182, 0.4458, 0.3955

# Triad

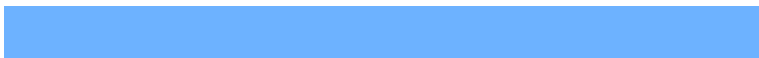
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



42.8182, 0.4436, 0.3438



42.8182, 0.2833, 0.4273



42.8182, 0.2169, 0.2242

# Complementary

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



42.8182, 0.4436, 0.3438



74.8912, 0.2451, 0.3126

# 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.



42.8182, 0.1938, 0.2444



42.8182, 0.4436, 0.3438



42.8182, 0.2281, 0.3611

# Square

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



42.8182, 0.4436, 0.3438



42.8182, 0.3498, 0.4557



42.8182, 0.1972, 0.2917



42.8182, 0.2649, 0.2283



# Rectangle

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



42.8182, 0.4436, 0.3438



42.8182, 0.4252, 0.4262



42.8182, 0.1972, 0.2917



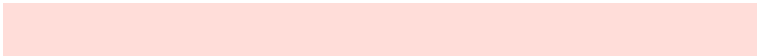
42.8182, 0.2063, 0.2280

# Sweetspot

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



42.8175, 0.4436, 0.3438



77.9843, 0.3403, 0.3334



43.6712, 0.3293, 0.2201



16.1009, 0.3449, 0.3340



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.



42.8175, 0.4436, 0.3438



36.0370, 0.4860, 0.3458



66.5384, 0.4090, 0.4055



18.3140, 0.3292, 0.3317



11.6595, 0.6310, 0.3371



1.2364, 0.6153, 0.3497

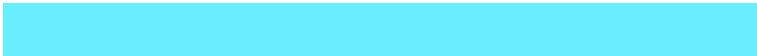


# Inverse Universe

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



74.8912, 0.2451, 0.3126



71.4466, 0.2353, 0.3087



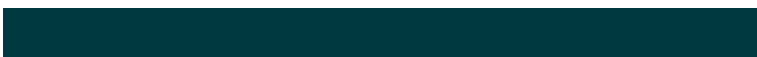
44.6143, 0.2304, 0.2359



20.1140, 0.2980, 0.3263



32.4700, 0.2148, 0.2933



3.2562, 0.2160, 0.2977



# Previews

## White Background



This preview shows how the Yxy color 42.8182, 0.4436, 0.3438 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 42.8182, 0.4436, 0.3438 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 42.8182, 0.4436, 0.3438**

## Background



This preview shows how black text looks on a background with the Yxy color 42.8182, 0.4436, 0.3438.



This preview shows how white text looks on a background with the Yxy color 42.8182, 0.4436, 0.3438.

# 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

42.8182, 0.4436, 0.3438

### Protanopia

42.9878, 0.3483, 0.3709

### Deuteranopia

42.9215, 0.3894, 0.3818



## Tritanopia

42.8730, 0.4208, 0.3189

# Trichromacy



**Original Color**

42.8182, 0.4436, 0.3438

**Protanomaly**

42.1166, 0.3810, 0.3605

**Deuteranomaly**

42.3361, 0.4098, 0.3669

**Tritanomaly**

42.9185, 0.4291, 0.3283

# Monochromacy



**Original Color**

42.8182, 0.4436, 0.3438

**Achromatopsia**

43.4154, 0.3127, 0.3290

**Achromatomaly**

42.0333, 0.3568, 0.3355

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.8182, 0.4436, 0.3438 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, 144, 130)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 130)  
}
```

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, 144, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 42.8182, 0.4436, 0.3438 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, 144, 130) }
```

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

```
.border{ border-color:rgb(255, 144, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 144, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 130);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.8182, 0.4436, 0.3438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 130) }
```

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

```
.background{ background-color: rgb(255,  
144, 130) }
```

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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