

# Converting Colors

$Y_{xy}(42.9287, 0.4502, 0.3518)$

Have a look what the booklet for  
Yxy(42.9287, 0.4502, 0.3518)  
contains.

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# Color

**Yxy(42.9409, 0.4503, 0.3519)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF917B
RGB	255, 145, 123
RGB Percent	100%, 57%, 48%
CMY	0.0000, 0.4314, 0.5176
CMYK	0.00, 0.43, 0.52, 0.00
HSL	10°, 100%, 74%
HSV	10°, 52%, 100%
XYZ	54.9482, 42.9409, 24.1367
YIQ	175.3820, 72.6220, 16.4780

# Conversions

## Conversions Part 2

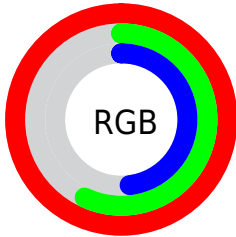
Format	Color
<a href="#">RYB</a>	<a href="#">255, 149, 123</a>
Decimal	<a href="#">16748923</a>
<a href="#">CIELab</a>	<a href="#">71.51, 39.31, 29.85</a>
<a href="#">CIElCh</a>	<a href="#">72, 49.354, 37.210</a>
<a href="#">Yxy</a>	<a href="#">42.9409, 0.4503, 0.3519</a>
Android (android.graphics.Color)	<a href="#">4294939003</a> (0xFFFF917B)
<a href="#">YUV</a>	<a href="#">175.3820, -25.8243, 69.8250</a>
<a href="#">Hunter-Lab</a>	<a href="#">65.5293, 35.0012, 24.0320</a>

# Details

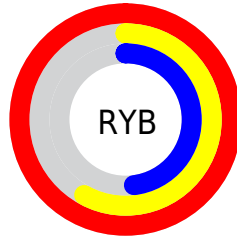
The Yxy color **42.9409, 0.4503, 0.3519** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **69.7256, 0.2405, 0.3028**, and the grayscale version is **43.1835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7031, 0.3759, 0.3542**, and **19.6180, 0.4898, 0.3519** is the 20% darker color. If you saturate the color by 10%, you get **36.4820, 0.4918, 0.3546**, and if you desaturate by 10%, it is **50.7763, 0.4132, 0.3479**.

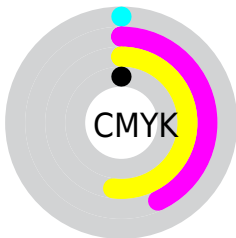
# Distribution



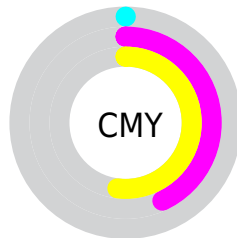
- Red (100%)
- Green (57%)
- Blue (48%)



- Red (100%)
- Yellow (58%)
- Blue (48%)



- Cyan (0%)
- Magenta (43%)
- Yellow (52%)
- Black (0%)




- Cyan (0%)
- Magenta (43%)
- Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.9409, 0.4503, 0.3519 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 42.9409, 0.4503, 0.3519 by changing the saturation by 10% instead.





 42.9409, 0.4503,  
0.3519


 42.9409, 0.4503,  
0.3519


358.3687, 0.3802,  
0.3442

 29.8387, 0.4677,  
0.3525


 79.6217, 0.4248,  
0.3501

 19.7162, 0.4898,  
0.3524


 103.9691, 0.4152,  
0.3491

 12.1889, 0.5186,  
0.3509

 132.8337, 0.4071,  
0.3482

 6.8725, 0.5571,  
0.3461

166.5999, 0.4002,  
0.3473

 3.3825, 0.6136,  
0.3361

205.6521, 0.3942,  
0.3464

 1.3345, 0.6917,  
0.3083

250.3747, 0.3890,

 0.1677, 0.8728,

0.3456

0.1272

301.1521, 0.3843,  
0.3449

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

42.9409, 0.4503,  
0.3519

42.9409, 0.4503,  
0.3519

36.4820, 0.4918,  
0.3546

50.7763, 0.4132,  
0.3479

31.3257, 0.5351,  
0.3551

60.0699, 0.3816,  
0.3433

27.3799, 0.5757,  
0.3526

70.8883, 0.3551,  
0.3386

24.5430, 0.6079,  
0.3471

83.2961, 0.3334,  
0.3340

■ 22.9482, 0.6258,  
0.3413

■ 97.3542, 0.3155,  
0.3297

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



42.9409, 0.4115, 0.3002



42.9409, 0.4503, 0.3519



42.9409, 0.4457, 0.4043

# Triad

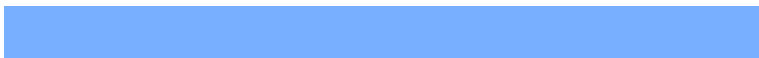
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



42.9409, 0.4503, 0.3519



42.9409, 0.2725, 0.4217



42.9409, 0.2204, 0.2208

# Complementary

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



42.9409, 0.4503, 0.3519



69.7256, 0.2405, 0.3028

# 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.



42.9409, 0.1930, 0.2373



42.9409, 0.4503, 0.3519



42.9409, 0.2194, 0.3503

# Square

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



42.9409, 0.4503, 0.3519



42.9409, 0.3401, 0.4582



42.9409, 0.1922, 0.2813



42.9409, 0.2730, 0.2286



# Rectangle

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



42.9409, 0.4503, 0.3519



42.9409, 0.4210, 0.4346



42.9409, 0.1922, 0.2813



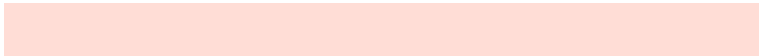
42.9409, 0.2084, 0.2235

# Sweetspot

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



42.9384, 0.4503, 0.3519



77.8342, 0.3421, 0.3359



41.4403, 0.3366, 0.2202



16.1151, 0.3466, 0.3369



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.



42.9384, 0.4503, 0.3519



36.3420, 0.4928, 0.3546



68.1964, 0.4117, 0.4155



18.4755, 0.3290, 0.3330



12.1332, 0.6237, 0.3430



1.3122, 0.6044, 0.3583

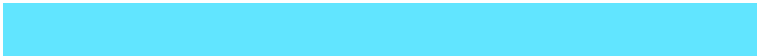


# Inverse Universe

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



69.7256, 0.2405, 0.3028



65.6172, 0.2302, 0.2968



39.8871, 0.2241, 0.2210



19.9362, 0.2980, 0.3249



28.7103, 0.2097, 0.2749



2.9260, 0.2116, 0.2817



# Previews

## White Background



This preview shows how the Yxy color 42.9409, 0.4503, 0.3519 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

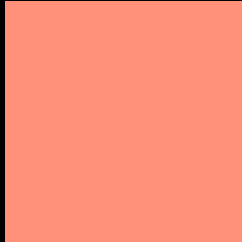
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.9409, 0.4503, 0.3519 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 42.9409, 0.4503, 0.3519**

## **Background**



This preview shows how black text looks on a background with the Yxy color 42.9409, 0.4503, 0.3519.



This preview shows how white text looks on a background with the Yxy color 42.9409, 0.4503, 0.3519.

# 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

42.9409, 0.4503, 0.3519

### Protanopia

43.0023, 0.3572, 0.3814

### Deuteranopia

43.0388, 0.3978, 0.3899



## Tritanopia

42.8730, 0.4208, 0.3189

# Trichromacy



**Original Color**

42.9409, 0.4503, 0.3519

**Protanomaly**

42.1867, 0.3906, 0.3701

**Deuteranomaly**

42.6664, 0.4170, 0.3759

**Tritanomaly**

42.8280, 0.4324, 0.3314

# Monochromacy



**Original Color**

42.9409, 0.4503, 0.3519

**Achromatopsia**

42.8690, 0.3127, 0.3290

**Achromatomaly**

41.7886, 0.3587, 0.3393

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.9409, 0.4503, 0.3519 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, 145, 123)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 123)  
}
```

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, 145, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 123) }
```

## Border

The CSS property to change the border of an element to Yxy 42.9409, 0.4503, 0.3519 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, 145, 123) }
```

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

```
.border{ border-color:rgb(255, 145, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 145, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 123);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
123) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.9409, 0.4503, 0.3519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 145, 123) }
```

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

```
.background{ background-color: rgb(255,  
145, 123) }
```

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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