

# Converting Colors

$Y_{xy}(48.4506, 0.4193, 0.3447)$

Have a look what the booklet for  
Yxy(48.4506, 0.4193, 0.3447)  
contains.

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# Color

**Yxy(48.4459, 0.4197, 0.3451)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA091
RGB	255, 160, 145
RGB Percent	100%, 63%, 57%
CMY	0.0000, 0.3725, 0.4315
CMYK	0.00, 0.37, 0.43, 0.00
HSL	8°, 100%, 78%
HSV	8°, 43%, 100%
XYZ	58.9184, 48.4459, 33.0179
YIQ	186.6950, 61.4350, 15.4750

# Conversions

## Conversions Part 2

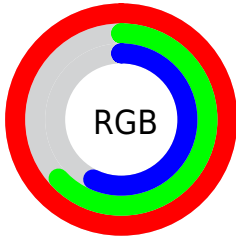
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 162, 145
Decimal	16752785
CIE <sub>Lab</sub>	75.11, 33.63, 22.71
CIE <sub>LCh</sub>	75, 40.580, 34.032
Yxy	48.4459, 0.4197, 0.3451
Android (android.graphics.Color)	4294942865 (0xFFFFA091)
YUV	186.6950, -20.5556, 59.9035
Hunter-Lab	69.6031, 29.2933, 20.5965

# Details

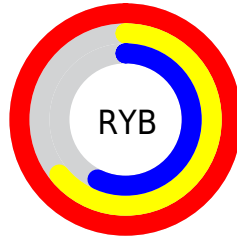
The Yxy color **48.4459, 0.4197, 0.3451** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **75.5252, 0.2511, 0.3116**, and the grayscale version is **49.6055, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.4953, 0.3540, 0.3465**, and **22.9256, 0.4502, 0.3465** is the 20% darker color. If you saturate the color by 10%, you get **40.7794, 0.4584, 0.3482**, and if you desaturate by 10%, it is **57.6449, 0.3865, 0.3414**.

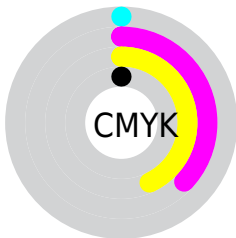
# Distribution



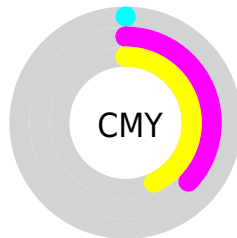
- Red (100%)
- Green (63%)
- Blue (57%)



- Red (100%)
- Yellow (64%)
- Blue (57%)



- Cyan (0%)
- Magenta (37%)
- Yellow (43%)
- Black (0%)




- Cyan (0%)
- Magenta (37%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4459, 0.4197, 0.3451 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 48.4459, 0.4197, 0.3451 by changing the saturation by 10% instead.





 48.4459, 0.4197,  
0.3451


 48.4459, 0.4197,  
0.3451


380.5569, 0.3661,  
0.3394

 34.1801, 0.4329,  
0.3458


 87.8679, 0.4003,  
0.3436

 23.0320, 0.4498,  
0.3463


 113.7930, 0.3930,  
0.3428

 14.6172, 0.4719,  
0.3462


144.3733, 0.3867,  
0.3421

 8.5511, 0.5018,  
0.3447

179.9932, 0.3814,  
0.3415

 4.4496, 0.5440,  
0.3398

221.0371, 0.3768,  
0.3409

 1.9281, 0.6240,  
0.3355

267.8894, 0.3728,

 0.5652, 0.7224,

0.3403

0.2776

320.9345, 0.3692,  
0.3398

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

48.4459, 0.4197,  
0.3451

48.4459, 0.4197,  
0.3451

40.7794, 0.4584,  
0.3482

57.6449, 0.3865,  
0.3414

34.5549, 0.5015,  
0.3501

68.4460, 0.3589,  
0.3375

29.6835, 0.5459,  
0.3500

80.9233, 0.3363,  
0.3337

26.0636, 0.5862,  
0.3473

95.1441, 0.3178,  
0.3301

■ 23.5784, 0.6164,  
0.3421

99.9994, 0.3127,  
0.3290

■ 22.4542, 0.6299,  
0.3381

# Harmonies

## Analogous

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



48.4459, 0.3859, 0.3025



48.4459, 0.4197, 0.3451



48.4459, 0.4210, 0.3879

# Triad

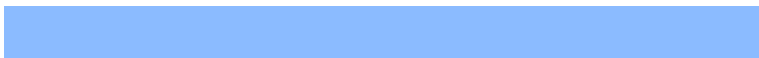
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.4459, 0.4197, 0.3451



48.4459, 0.2873, 0.4050



48.4459, 0.2348, 0.2417

# Complementary

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



48.4459, 0.4197, 0.3451



75.5252, 0.2511, 0.3116

# 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.



48.4459, 0.2140, 0.2588



48.4459, 0.4197, 0.3451



48.4459, 0.2419, 0.3527

# Square

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



48.4459, 0.4197, 0.3451



48.4459, 0.3421, 0.4304



48.4459, 0.2163, 0.2977



48.4459, 0.2762, 0.2455



# Rectangle

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



48.4459, 0.4197, 0.3451



48.4459, 0.4042, 0.4118



48.4459, 0.2163, 0.2977



48.4459, 0.2254, 0.2450

# Sweetspot

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



48.4483, 0.4197, 0.3451



81.1277, 0.3360, 0.3336



47.8093, 0.3302, 0.2351



16.7423, 0.3406, 0.3344



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.



48.4483, 0.4197, 0.3451



41.5883, 0.4537, 0.3479



71.7258, 0.3938, 0.4003



18.3875, 0.3291, 0.3323



11.8546, 0.6280, 0.3396



1.2709, 0.6102, 0.3537



# Inverse Universe

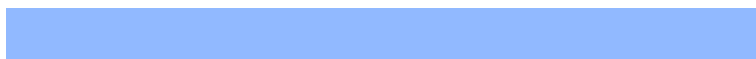
The Inverse Universe completely reimagines the original color for something new.



75.5252, 0.2511, 0.3116



71.8765, 0.2412, 0.3075



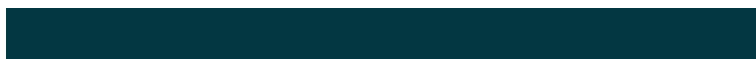
48.0631, 0.2397, 0.2445



20.0327, 0.2980, 0.3257



30.7162, 0.2125, 0.2850



3.1026, 0.2140, 0.2905



# Previews

## White Background



This preview shows how the Yxy color 48.4459, 0.4197, 0.3451 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

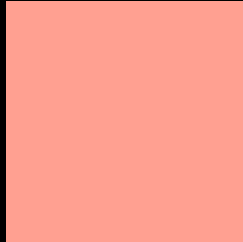
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.4459, 0.4197, 0.3451 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 48.4459, 0.4197, 0.3451**

## Background



This preview shows how black text looks on a background with the Yxy color 48.4459, 0.4197, 0.3451.



This preview shows how white text looks on a background with the Yxy color 48.4459, 0.4197, 0.3451.

# 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

48.4459, 0.4197, 0.3451

### Protanopia

48.7343, 0.3440, 0.3649

### Deuteranopia

48.6992, 0.3801, 0.3724



## Tritanopia

48.5783, 0.3965, 0.3177

# Trichromacy



**Original Color**

48.4459, 0.4197, 0.3451

**Protanomaly**

48.1023, 0.3701, 0.3569

**Deuteranomaly**

48.0979, 0.3943, 0.3614

**Tritanomaly**

48.5943, 0.4051, 0.3282

# Monochromacy



**Original Color**

48.4459, 0.4197, 0.3451

**Achromatopsia**

49.6933, 0.3127, 0.3290

**Achromatomaly**

48.4199, 0.3483, 0.3352

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.4459, 0.4197, 0.3451 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, 160, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 160, 145)  
}
```

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, 160, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 160, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 48.4459, 0.4197, 0.3451 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, 160, 145) }
```

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

```
.border{ border-color:rgb(255, 160, 145) }
```

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

Here you see how a box with a 4 pixel rgb(255, 160, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 160, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 160, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 160,  
145) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.4459, 0.4197, 0.3451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 160, 145) }
```

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

```
.background{ background-color: rgb(255,  
160, 145) }
```

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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