

# Converting Colors

$Y_{xy}(52.3270, 0.4437, 0.3548)$

Have a look what the booklet for  
Yxy(52.3270, 0.4437, 0.3548)  
contains.

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# Color

**Yxy(48.8499, 0.4283, 0.3575)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA287
RGB	255, 162, 135
RGB Percent	100%, 64%, 53%
CMY	0.0001, 0.3646, 0.4706
CMYK	0.00, 0.36, 0.47, 0.00
HSL	14°, 100%, 76%
HSV	14°, 47%, 100%
XYZ	58.5242, 48.8499, 29.2689
YIQ	186.7290, 64.0950, 11.3190

# Conversions

## Conversions Part 2

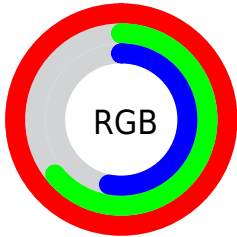
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 170, 135
Decimal	16753287
CIE <sub>Lab</sub>	75.36, 31.59, 28.44
CIE <sub>LCh</sub>	75, 42.503, 41.995
Yxy	48.8499, 0.4283, 0.3575
Android (android.graphics.Color)	4294943367 (0xFFFFA287)
YUV	186.7290, -25.5024, 59.8737
Hunter-Lab	69.8927, 27.1537, 24.0960

# Details

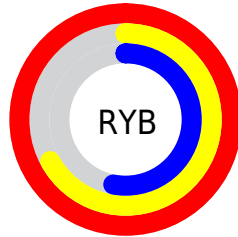
The Yxy color **48.8499, 0.4283, 0.3575** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **67.8276, 0.2442, 0.2971**, and the grayscale version is **49.6549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0336, 0.3616, 0.3599**, and **23.1953, 0.4604, 0.3606** is the 20% darker color. If you saturate the color by 10%, you get **41.7952, 0.4657, 0.3623**, and if you desaturate by 10%, it is **57.1747, 0.3954, 0.3516**.

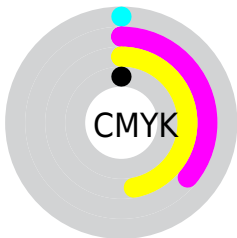
# Distribution



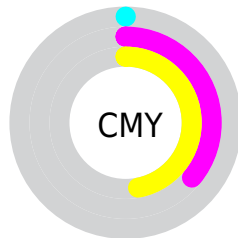
- Red (100%)
- Green (64%)
- Blue (53%)



- Red (100%)
- Yellow (67%)
- Blue (53%)



- Cyan (0%)
- Magenta (36%)
- Yellow (47%)
- Black (0%)




- Cyan (0%)
- Magenta (36%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.8499, 0.4283, 0.3575 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 48.8499, 0.4283, 0.3575 by changing the saturation by 10% instead.





 48.8499, 0.4283,  
0.3575


 48.8499, 0.4283,  
0.3575


382.1511, 0.3706,  
0.3462

 34.5004, 0.4424,  
0.3593


 88.4685, 0.4075,  
0.3541

 23.2783, 0.4602,  
0.3611


 114.5064, 0.3996,  
0.3526

 14.7991, 0.4833,  
0.3625


 145.2092, 0.3930,  
0.3513

 8.6785, 0.5141,  
0.3625

180.9614, 0.3872,  
0.3501

 4.5321, 0.5563,  
0.3588

222.1472, 0.3822,  
0.3490

 1.9754, 0.6409,  
0.3591

269.1512, 0.3779,

 0.5931, 0.7079,

0.3480

0.2921

322.3577, 0.3740,  
0.3471

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

48.8499, 0.4283,  
0.3575

48.8499, 0.4283,  
0.3575

41.7952, 0.4657,  
0.3623

57.1747, 0.3954,  
0.3516

35.9400, 0.5061,  
0.3649

66.8210, 0.3674,  
0.3453

31.2174, 0.5466,  
0.3644

77.8464, 0.3439,  
0.3390

27.5510, 0.5825,  
0.3599

90.3027, 0.3244,  
0.3330

■ 24.8530, 0.6094,  
0.3517

99.9932, 0.3127,  
0.3290

■ 24.2215, 0.6158,  
0.3492

# Harmonies

## Analogous

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



48.8499, 0.4014, 0.3125



48.8499, 0.4283, 0.3575



48.8499, 0.4202, 0.4006

# Triad

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



48.8499, 0.4283, 0.3575



48.8499, 0.2720, 0.3960



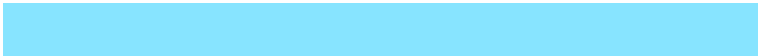
48.8499, 0.2410, 0.2373

# Complementary

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



48.8499, 0.4283, 0.3575



67.8276, 0.2442, 0.2971

# 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.



48.8499, 0.2136, 0.2488



48.8499, 0.4283, 0.3575



48.8499, 0.2296, 0.3375

# Square

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



48.8499, 0.4283, 0.3575



48.8499, 0.3278, 0.4319



48.8499, 0.2095, 0.2832



48.8499, 0.2889, 0.2466



# Rectangle

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



48.8499, 0.4283, 0.3575



48.8499, 0.3976, 0.4230



48.8499, 0.2095, 0.2832



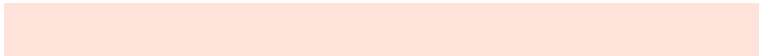
48.8499, 0.2294, 0.2387

# Sweetspot

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



48.8523, 0.4283, 0.3575



81.5148, 0.3376, 0.3371



44.2394, 0.3414, 0.2359



16.8924, 0.3420, 0.3384



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.



48.8523, 0.4283, 0.3575



42.4905, 0.4616, 0.3618



74.7035, 0.3975, 0.4156



18.6505, 0.3289, 0.3344



12.8419, 0.6132, 0.3513

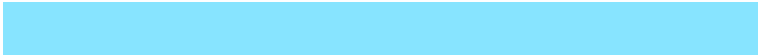


1.4054, 0.5920, 0.3681



# Inverse Universe

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



67.8276, 0.2442, 0.2971



63.3671, 0.2338, 0.2899



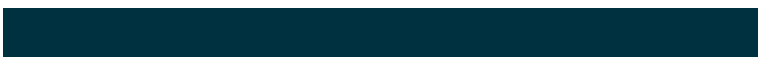
40.7440, 0.2305, 0.2224



19.7466, 0.2980, 0.3235



25.0079, 0.2040, 0.2545



2.5969, 0.2067, 0.2640



# Previews

## White Background



This preview shows how the Yxy color 48.8499, 0.4283, 0.3575 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 48.8499, 0.4283, 0.3575 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 48.8499, 0.4283, 0.3575**

## Background



This preview shows how black text looks on a background with the Yxy color 48.8499, 0.4283, 0.3575.



This preview shows how white text looks on a background with the Yxy color 48.8499, 0.4283, 0.3575.

# 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

48.8499, 0.4283, 0.3575

### Protanopia

49.1989, 0.3555, 0.3799

### Deuteranopia

48.8789, 0.3917, 0.3836



## Tritanopia

48.9586, 0.3951, 0.3177

# Trichromacy



**Original Color**

48.8499, 0.4283, 0.3575

**Protanomaly**

48.4573, 0.3815, 0.3711

**Deuteranomaly**

48.5221, 0.4049, 0.3735

**Tritanomaly**

48.8359, 0.4077, 0.3324

# Monochromacy



**Original Color**

48.8499, 0.4283, 0.3575

**Achromatopsia**

49.6933, 0.3127, 0.3290

**Achromatomaly**

48.6650, 0.3516, 0.3413

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.8499, 0.4283, 0.3575 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, 162, 135)` looks like.

```
.text, #text, p{  
    color:rgb(255, 162, 135)  
}
```

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, 162, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 162, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 48.8499, 0.4283, 0.3575 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, 162, 135) }
```

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

```
.border{ border-color:rgb(255, 162, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 162, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 162, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 162, 135);  
box-shadow:4px 4px 4px 4px rgb(255, 162,  
135) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.8499, 0.4283, 0.3575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 162, 135) }
```

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

```
.background{ background-color: rgb(255,  
162, 135) }
```

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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