

# Converting Colors

$Y_{xy}(44.9827, 0.4322, 0.3427)$

Have a look what the booklet for  
Yxy(44.9827, 0.4322, 0.3427)  
contains.

<b>Yxy(44.8788, 0.4329, 0.3429)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(44.8788, 0.4329, 0.3429)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9689
RGB	255, 150, 137
RGB Percent	100%, 59%, 54%
CMY	0.0001, 0.4117, 0.4627
CMYK	0.00, 0.41, 0.46, 0.00
HSL	7°, 100%, 77%
HSV	7°, 46%, 100%
XYZ	56.6580, 44.8788, 29.3433
YIQ	179.9130, 66.7530, 18.2170

# Conversions

## Conversions Part 2

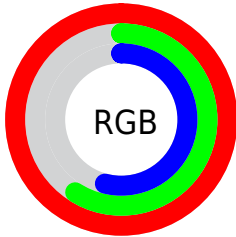
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 152, 137
Decimal	16750217
CIE <sub>Lab</sub>	72.81, 37.99, 23.94
CIE <sub>LCh</sub>	73, 44.905, 32.216
Yxy	44.8788, 0.4329, 0.3429
Android (android.graphics.Color)	4294940297 (0xFFFF9689)
YUV	179.9130, -21.1561, 65.8513
Hunter-Lab	66.9916, 33.7306, 20.9243

# Details

The Yxy color **44.8788, 0.4329, 0.3429** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **76.0257, 0.2481, 0.3138**, and the grayscale version is **45.6834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.6403, 0.3634, 0.3447**, and **20.8396, 0.4682, 0.3423** is the 20% darker color. If you saturate the color by 10%, you get **37.6800, 0.4741, 0.3451**, and if you desaturate by 10%, it is **53.6565, 0.3972, 0.3400**.

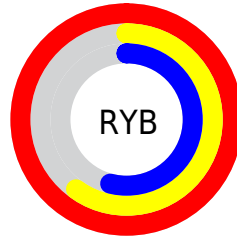
# Distribution



Red (100%)

Green (59%)

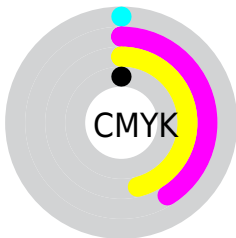
Blue (54%)



Red (100%)

Yellow (60%)

Blue (54%)

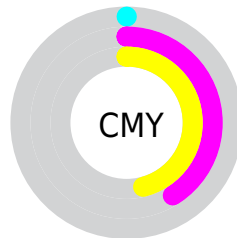


Cyan (0%)

Magenta (41%)

Yellow (46%)

Black (0%)



Cyan (0%)

Magenta (41%)


Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8788, 0.4329, 0.3429 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 44.8788, 0.4329, 0.3429 by changing the saturation by 10% instead.





 44.8788, 0.4329,  
0.3429

 44.8788, 0.4329,  
0.3429


366.2825, 0.3719,  
0.3387


 31.3620, 0.4481,  
0.3430


 82.5385, 0.4107,  
0.3420

 20.8746, 0.4676,  
0.3427


 107.4502, 0.4023,  
0.3415

 13.0324, 0.4931,  
0.3412


 136.9289, 0.3953,  
0.3410

 7.4509, 0.5278,  
0.3375

171.3591, 0.3893,  
0.3405

 3.7456, 0.5768,  
0.3284

211.1252, 0.3841,  
0.3400

 1.5323, 0.6792,  
0.3208

256.6115, 0.3795,

 0.3113, 0.8048,

0.3395

0.1952

308.2025, 0.3755,  
0.3391

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

44.8788, 0.4329,  
0.3429

44.8788, 0.4329,  
0.3429

37.6800, 0.4741,  
0.3451

53.6565, 0.3972,  
0.3400

31.9599, 0.5191,  
0.3461

64.0922, 0.3674,  
0.3369

27.6170, 0.5635,  
0.3452

76.2678, 0.3430,  
0.3337

24.5346, 0.6013,  
0.3422

90.2576, 0.3232,  
0.3308

■ 22.5756, 0.6265,  
0.3373

99.9974, 0.3127,  
0.3290

■ 22.0938, 0.6329,  
0.3357

# Harmonies

## Analogous

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



44.8788, 0.3924, 0.2961



44.8788, 0.4329, 0.3429



44.8788, 0.4360, 0.3910

# Triad

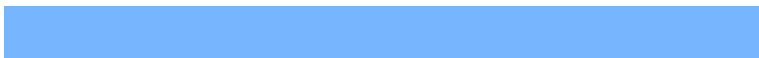
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



44.8788, 0.4329, 0.3429



44.8788, 0.2869, 0.4193



44.8788, 0.2232, 0.2316

# Complementary

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



44.8788, 0.4329, 0.3429



76.0257, 0.2481, 0.3138

# 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.



44.8788, 0.2018, 0.2514



44.8788, 0.4329, 0.3429



44.8788, 0.2352, 0.3597

# Square

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



44.8788, 0.4329, 0.3429



44.8788, 0.3487, 0.4453



44.8788, 0.2056, 0.2960



44.8788, 0.2678, 0.2349



# Rectangle

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



44.8788, 0.4329, 0.3429



44.8788, 0.4178, 0.4192



44.8788, 0.2056, 0.2960



44.8788, 0.2133, 0.2355

# Sweetspot

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



44.8811, 0.4329, 0.3429



79.2927, 0.3382, 0.3330



45.6316, 0.3282, 0.2256



16.3582, 0.3428, 0.3337



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.



44.8811, 0.4329, 0.3429



37.8598, 0.4730, 0.3451



68.0741, 0.4026, 0.4015



18.3094, 0.3292, 0.3317



11.6486, 0.6312, 0.3370



1.2343, 0.6156, 0.3494



# Inverse Universe

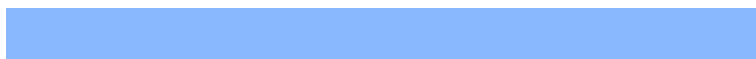
The Inverse Universe completely reimagines the original color for something new.



76.0257, 0.2481, 0.3138



72.5571, 0.2381, 0.3102



46.8999, 0.2351, 0.2421



20.1190, 0.2980, 0.3263



32.5804, 0.2150, 0.2938

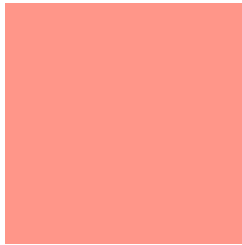


3.2658, 0.2162, 0.2982



# Previews

## White Background



This preview shows how the Yxy color 44.8788, 0.4329, 0.3429 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 44.8788, 0.4329, 0.3429 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 44.8788, 0.4329, 0.3429**

## Background



This preview shows how black text looks on a background with the Yxy color 44.8788, 0.4329, 0.3429.



This preview shows how white text looks on a background with the Yxy color 44.8788, 0.4329, 0.3429.

# 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

44.8788, 0.4329, 0.3429

### Protanopia

45.2610, 0.3458, 0.3673

### Deuteranopia

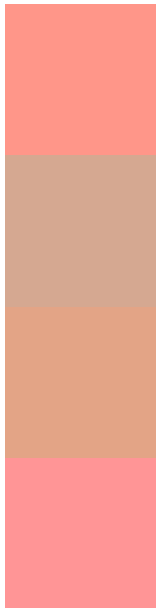
45.0474, 0.3841, 0.3774



## Tritanopia

44.9084, 0.4117, 0.3188

# Trichromacy



**Original Color**

44.8788, 0.4329, 0.3429

**Protanomaly**

44.1957, 0.3766, 0.3575

**Deuteranomaly**

44.6030, 0.4023, 0.3643

**Tritanomaly**

44.9569, 0.4198, 0.3283

# Monochromacy



**Original Color**

44.8788, 0.4329, 0.3429

**Achromatopsia**

45.6411, 0.3127, 0.3290

**Achromatomaly**

44.3217, 0.3528, 0.3354

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.8788, 0.4329, 0.3429 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, 150, 137)` looks like.

```
.text, #text, p{  
    color:rgb(255, 150, 137)  
}
```

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, 150, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 150, 137) }
```

## Border

The CSS property to change the border of an element to Yxy 44.8788, 0.4329, 0.3429 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, 150, 137) }
```

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

```
.border{ border-color:rgb(255, 150, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 150, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 150, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 150, 137);  
box-shadow:4px 4px 4px 4px rgb(255, 150,  
137) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.8788, 0.4329, 0.3429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 150, 137) }
```

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

```
.background{ background-color: rgb(255,  
150, 137) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor