

# Converting Colors

$Y_{xy}(45.2041, 0.4408, 0.3426)$

Have a look what the booklet for  
Yxy(45.2041, 0.4408, 0.3426)  
contains.

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# Color

**Yxy(44.1891, 0.4361, 0.3429)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9487
RGB	255, 148, 135
RGB Percent	100%, 58%, 53%
CMY	0.0000, 0.4196, 0.4707
CMYK	0.00, 0.42, 0.47, 0.00
HSL	7°, 100%, 76%
HSV	7°, 47%, 100%
XYZ	56.1997, 44.1891, 28.4800
YIQ	178.5110, 67.9450, 18.6410

# Conversions

## Conversions Part 2

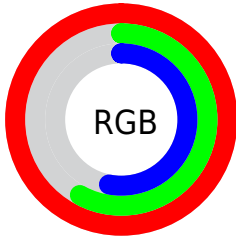
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 150, 135
Decimal	16749703
CIE Lab	72.35, 38.82, 24.43
CIE LCh	72, 45.871, 32.180
Yxy	44.1891, 0.4361, 0.3429
Android (android.graphics.Color)	4294939783 (0xFFFF9487)
YUV	178.5110, -21.4509, 67.0809
Hunter-Lab	66.4749, 34.5777, 21.1307

# Details

The Yxy color **44.1891, 0.4361, 0.3429** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **75.8460, 0.2473, 0.3138**, and the grayscale version is **44.8957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6027, 0.3654, 0.3447**, and **20.4424, 0.4727, 0.3422** is the 20% darker color. If you saturate the color by 10%, you get **37.1124, 0.4778, 0.3450**, and if you desaturate by 10%, it is **52.8422, 0.3999, 0.3401**.

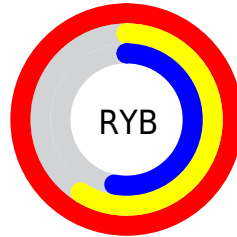
# Distribution



Red (100%)

Green (58%)

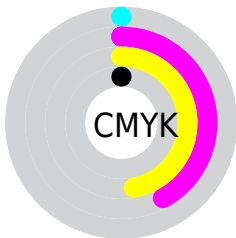
Blue (53%)



Red (100%)

Yellow (59%)

Blue (53%)

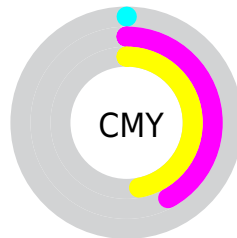


Cyan (0%)

Magenta (42%)

Yellow (47%)

Black (0%)



Cyan (0%)

Magenta (42%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.1891, 0.4361, 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 44.1891, 0.4361, 0.3429 by changing the saturation by 10% instead.





 44.1891, 0.4361,  
0.3429

 44.1891, 0.4361,  
0.3429

363.4794, 0.3734,  
0.3388

 30.8192, 0.4518,  
0.3429


 81.5022, 0.4132,  
0.3421

 20.4612, 0.4718,  
0.3424


 106.2142, 0.4046,  
0.3416

 12.7307, 0.4982,  
0.3407


 135.4757, 0.3974,  
0.3411

 7.2434, 0.5340,  
0.3365

169.6711, 0.3912,  
0.3406

 3.6148, 0.5844,  
0.3265

209.1848, 0.3858,  
0.3401

 1.4605, 0.6850,  
0.3150

254.4011, 0.3811,

 0.2607, 0.8271,

0.3397

0.1729

305.7045, 0.3770,  
0.3392

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

44.1891, 0.4361,  
0.3429

44.1891, 0.4361,  
0.3429

37.1124, 0.4778,  
0.3450

52.8422, 0.3999,  
0.3401

31.5106, 0.5229,  
0.3459

63.1518, 0.3696,  
0.3370

27.2808, 0.5671,  
0.3448

75.2007, 0.3448,  
0.3339

24.3041, 0.6041,  
0.3416

89.0641, 0.3246,  
0.3309

■ 22.4401, 0.6282,  
0.3367

99.9985, 0.3127,  
0.3290

■ 22.0748, 0.6330,  
0.3356

# Harmonies

## Analogous

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



44.1891, 0.3945, 0.2951



44.1891, 0.4361, 0.3429



44.1891, 0.4392, 0.3922

# Triad

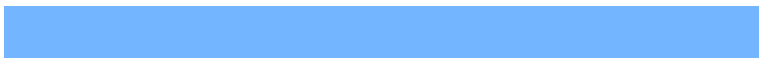
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



44.1891, 0.4361, 0.3429



44.1891, 0.2861, 0.4221



44.1891, 0.2210, 0.2293

# Complementary

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



44.1891, 0.4361, 0.3429



75.8460, 0.2473, 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.



44.1891, 0.1993, 0.2494



44.1891, 0.4361, 0.3429



44.1891, 0.2332, 0.3605

# Square

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



44.1891, 0.4361, 0.3429



44.1891, 0.3494, 0.4485



44.1891, 0.2031, 0.2950



44.1891, 0.2666, 0.2327



# Rectangle

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



44.1891, 0.4361, 0.3429



44.1891, 0.4204, 0.4212



44.1891, 0.2031, 0.2950



44.1891, 0.2110, 0.2332

# Sweetspot

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



44.1913, 0.4361, 0.3429



79.2608, 0.3382, 0.3330



45.0505, 0.3285, 0.2240



16.3505, 0.3428, 0.3336



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.



44.1913, 0.4361, 0.3429



37.7977, 0.4731, 0.3449



67.6260, 0.4044, 0.4027



18.3045, 0.3292, 0.3316



11.6369, 0.6314, 0.3369



1.2320, 0.6159, 0.3491



# Inverse Universe

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



75.8460, 0.2473, 0.3138



72.6969, 0.2382, 0.3105



46.2284, 0.2338, 0.2403



20.1244, 0.2980, 0.3263



32.7004, 0.2151, 0.2944



3.2763, 0.2163, 0.2987



# Previews

## White Background



This preview shows how the Yxy color 44.1891, 0.4361, 0.3429 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

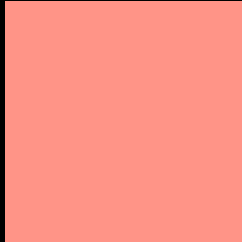
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.1891, 0.4361, 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 44.1891, 0.4361, 0.3429**

## Background



This preview shows how black text looks on a background with the Yxy color 44.1891, 0.4361, 0.3429.



This preview shows how white text looks on a background with the Yxy color 44.1891, 0.4361, 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

44.1891, 0.4361, 0.3429

### Protanopia

44.3056, 0.3463, 0.3663

### Deuteranopia

44.0898, 0.3859, 0.3776



## Tritanopia

44.2181, 0.4147, 0.3188

# Trichromacy



## Original Color

44.1891, 0.4361, 0.3429

## Protanomaly

43.2831, 0.3774, 0.3564

## Deuteranomaly

43.6754, 0.4043, 0.3645

## Tritanomaly

44.2656, 0.4229, 0.3283

# Monochromacy



## Original Color

44.1891, 0.4361, 0.3429

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

43.9150, 0.3539, 0.3354

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.1891, 0.4361, 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, 148, 135)` looks like.

```
.text, #text, p{  
    color:rgb(255, 148, 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, 148, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 148, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 44.1891, 0.4361, 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, 148, 135) }
```

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

```
.border{ border-color:rgb(255, 148, 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, 148, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 148, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 148, 135);  
box-shadow:4px 4px 4px 4px rgb(255, 148,  
135) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.1891, 0.4361, 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, 148, 135) }
```

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

```
.background{ background-color: rgb(255,  
148, 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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