

# Converting Colors

$Yxy(69.6954, 0.4949, 0.3353)$

Have a look what the booklet for  
Yxy(69.6954, 0.4949, 0.3353)  
contains.

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# **Color**

**Yxy(46.4465, 0.4216, 0.3377)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9A92
RGB	255, 154, 146
RGB Percent	100%, 60%, 57%
CMY	0.0000, 0.3961, 0.4274
CMYK	0.00, 0.40, 0.43, 0.00
HSL	4°, 100%, 79%
HSV	4°, 43%, 100%
XYZ	57.9859, 46.4465, 33.1053
YIQ	183.2870, 62.7640, 18.9240

# Conversions

## Conversions Part 2

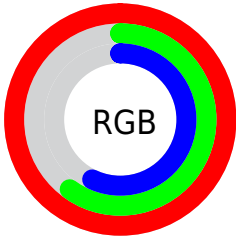
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 155, 146
Decimal	16751250
CIE <sub>Lab</sub>	73.83, 36.85, 20.40
CIE <sub>LCh</sub>	74, 42.118, 28.972
Yxy	46.4465, 0.4216, 0.3377
Android (android.graphics.Color)	4294941330 (0xFFFF9A92)
YUV	183.2870, -18.3825, 62.8923
Hunter-Lab	68.1517, 32.6089, 18.9055

# Details

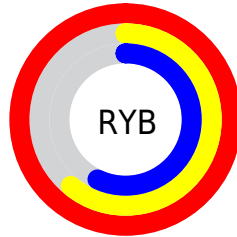
The Yxy color **46.4465, 0.4216, 0.3377** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **79.8556, 0.2530, 0.3198**, and the grayscale version is **47.5972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.0311, 0.3547, 0.3384**, and **21.7357, 0.4535, 0.3373** is the 20% darker color. If you saturate the color by 10%, you get **38.6933, 0.4622, 0.3394**, and if you desaturate by 10%, it is **55.9142, 0.3871, 0.3357**.

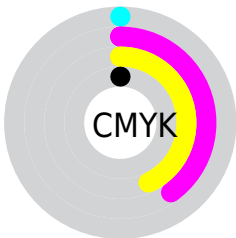
# Distribution



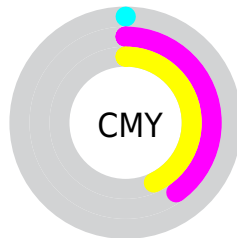
- Red (100%)
- Green (60%)
- Blue (57%)



- Red (100%)
- Yellow (61%)
- Blue (57%)



- Cyan (0%)
- Magenta (40%)
- Yellow (43%)
- Black (0%)




- Cyan (0%)
- Magenta (40%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4465, 0.4216, 0.3377 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 46.4465, 0.4216, 0.3377 by changing the saturation by 10% instead.





 46.4465, 0.4216,  
0.3377


 46.4465, 0.4216,  
0.3377


372.6008, 0.3666,  
0.3355

 32.5983, 0.4353,  
0.3375


 84.8868, 0.4016,  
0.3374

 21.8189, 0.4529,  
0.3369


 110.2478, 0.3941,  
0.3372

 13.7239, 0.4760,  
0.3355


140.2150, 0.3877,  
0.3369

 7.9289, 0.5076,  
0.3321

175.1731, 0.3823,  
0.3366

 4.0495, 0.5527,  
0.3245

215.5063, 0.3776,  
0.3363

 1.7013, 0.6393,  
0.3159

261.5991, 0.3734,

 0.4245, 0.7664,

0.3361

0.2336

313.8358, 0.3698,  
0.3358

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

46.4465, 0.4216,  
0.3377

46.4465, 0.4216,  
0.3377

38.6933, 0.4622,  
0.3394

55.9142, 0.3871,  
0.3357

32.5485, 0.5075,  
0.3403

67.1868, 0.3587,  
0.3335

27.9001, 0.5538,  
0.3401

80.3525, 0.3357,  
0.3315

24.6200, 0.5949,  
0.3384

95.4927, 0.3172,  
0.3295

■ 22.5584, 0.6240,  
0.3353

100.0000, 0.3127,  
0.3290

■ 21.7159, 0.6361,  
0.3331

# Harmonies

## Analogous

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



46.4465, 0.3810, 0.2941



46.4465, 0.4216, 0.3377



46.4465, 0.4288, 0.3830

# Triad

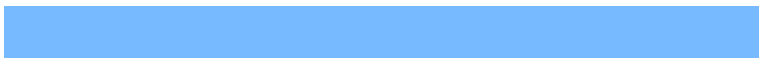
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.4465, 0.4216, 0.3377



46.4465, 0.2952, 0.4165



46.4465, 0.2258, 0.2389

# Complementary

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



46.4465, 0.4216, 0.3377



79.8556, 0.2530, 0.3198

# 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.



46.4465, 0.2081, 0.2604



46.4465, 0.4216, 0.3377



46.4465, 0.2451, 0.3642

# Square

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



46.4465, 0.4216, 0.3377



46.4465, 0.3529, 0.4367



46.4465, 0.2145, 0.3047



46.4465, 0.2656, 0.2396



# Rectangle

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



46.4465, 0.4216, 0.3377



46.4465, 0.4144, 0.4098



46.4465, 0.2145, 0.3047



46.4465, 0.2173, 0.2435

# Sweetspot

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



46.4477, 0.4216, 0.3377



79.9889, 0.3363, 0.3315



48.5807, 0.3237, 0.2298



16.4656, 0.3410, 0.3320



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.



46.4477, 0.4216, 0.3377



39.9256, 0.4547, 0.3391



68.3351, 0.3961, 0.3927



18.2009, 0.3293, 0.3308



11.4237, 0.6349, 0.3341



1.1832, 0.6234, 0.3432



# Inverse Universe

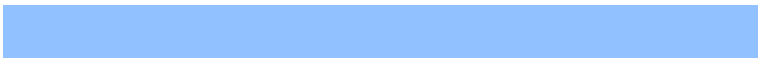
The Inverse Universe completely reimagines the original color for something new.



79.8556, 0.2530, 0.3198



77.1593, 0.2442, 0.3178



51.5765, 0.2420, 0.2546



20.2398, 0.2980, 0.3272



35.3037, 0.2183, 0.3059



3.5028, 0.2191, 0.3087



# Previews

## White Background



This preview shows how the Yxy color 46.4465, 0.4216, 0.3377 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 46.4465, 0.4216, 0.3377 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 46.4465, 0.4216, 0.3377**

## Background



This preview shows how black text looks on a background with the Yxy color 46.4465, 0.4216, 0.3377.



This preview shows how white text looks on a background with the Yxy color 46.4465, 0.4216, 0.3377.

# 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

46.4465, 0.4216, 0.3377

### Protanopia

46.4981, 0.3387, 0.3578

### Deuteranopia

46.7591, 0.3767, 0.3696



## Tritanopia

46.3608, 0.4049, 0.3177

# Trichromacy



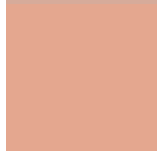
## Original Color

46.4465, 0.4216, 0.3377



## Protanomaly

45.7551, 0.3681, 0.3499



## Deuteranomaly

46.1146, 0.3933, 0.3572



## Tritanomaly

46.4768, 0.4107, 0.3251

# Monochromacy



## Original Color

46.4465, 0.4216, 0.3377



## Achromatopsia

47.3531, 0.3127, 0.3290



## Achromatomaly

45.9626, 0.3485, 0.3316

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.4465, 0.4216, 0.3377 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, 154, 146)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 146)  
}
```

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, 154, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 46.4465, 0.4216, 0.3377 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, 154, 146) }
```

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

```
.border{ border-color:rgb(255, 154, 146) }
```

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

Here you see how a box with a 4 pixel rgb(255, 154, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 146);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.4465, 0.4216, 0.3377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 154, 146) }
```

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

```
.background{ background-color: rgb(255,  
154, 146) }
```

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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