

# Converting Colors

$Y_{xy}(45.1644, 0.4164, 0.3408)$

Have a look what the booklet for  
Yxy(45.1644, 0.4164, 0.3408)  
contains.

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# Color

**Yxy(45.2305, 0.4158, 0.3412)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F79B90
RGB	247, 155, 144
RGB Percent	97%, 61%, 56%
CMY	0.0313, 0.3922, 0.4353
CMYK	0.00, 0.37, 0.42, 0.03
HSL	6°, 87%, 77%
HSV	6°, 42%, 97%
XYZ	55.1197, 45.2305, 32.2128
YIQ	181.2540, 58.3630, 16.0830

# Conversions

## Conversions Part 2

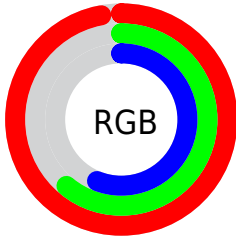
Format	Color
R <sub>Y</sub> B	247, 156, 144
Decimal	16227216
CIE Lab	73.04, 33.15, 20.26
CIE LCh	73, 38.850, 31.427
Yxy	45.2305, 0.4158, 0.3412
Android (android.graphics.Color)	4294417296 (0xFFFF79B90)
YUV	181.2540, -18.3662, 57.6592
Hunter-Lab	67.2536, 28.6011, 18.6791

# Details

The Yxy color **45.2305, 0.4158, 0.3412** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **72.6586, 0.2536, 0.3160**, and the grayscale version is **46.4320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4304, 0.3560, 0.3414**, and **21.2000, 0.4451, 0.3417** is the 20% darker color. If you saturate the color by 10%, you get **37.8724, 0.4546, 0.3437**, and if you desaturate by 10%, it is **54.1005, 0.3829, 0.3382**.

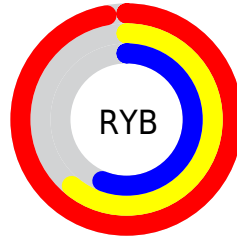
# Distribution



Red (97%)

Green (61%)

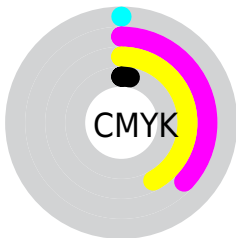
Blue (56%)



Red (97%)

Yellow (61%)

Blue (56%)

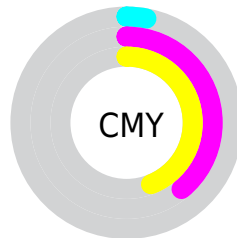


Cyan (0%)

Magenta (37%)

Yellow (42%)

Black (3%)



Cyan (3%)

Magenta (39%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2305, 0.4158, 0.3412 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 45.2305, 0.4158, 0.3412 by changing the saturation by 10% instead.





 45.2305, 0.4158,  
0.3412

 45.2305, 0.4158,  
0.3412


367.7063, 0.3635,  
0.3371

 31.6390, 0.4289,  
0.3416


 83.0662, 0.3967,  
0.3402

 21.0859, 0.4458,  
0.3416


 108.0792, 0.3895,  
0.3397

 13.1868, 0.4681,  
0.3411

137.6682, 0.3835,  
0.3392

 7.5573, 0.4987,  
0.3390

172.2175, 0.3783,  
0.3387

 3.8130, 0.5430,  
0.3331

212.1116, 0.3739,  
0.3382

 1.5695, 0.6363,  
0.3308

257.7348, 0.3700,

 0.3369, 0.7755,

0.3378

0.2245

309.4716, 0.3665,  
0.3374

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

45.2305, 0.4158,  
0.3412

45.2305, 0.4158,  
0.3412

37.8724, 0.4546,  
0.3437

54.1005, 0.3829,  
0.3382

31.9353, 0.4983,  
0.3453

64.5533, 0.3556,  
0.3352

27.3292, 0.5437,  
0.3453

76.6632, 0.3334,  
0.3322

23.9508, 0.5854,  
0.3433

90.4980, 0.3154,  
0.3295

■ 21.6812, 0.6170,  
0.3393

■ 98.5184, 0.3078,  
0.3290

■ 20.5326, 0.6331,  
0.3355

# Harmonies

## Analogous

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



45.2305, 0.3803, 0.2996



45.2305, 0.4158, 0.3412



45.2305, 0.4200, 0.3835

# Triad

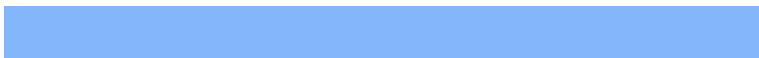
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



45.2305, 0.4158, 0.3412



45.2305, 0.2924, 0.4068



45.2305, 0.2336, 0.2439

# Complementary

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



45.2305, 0.4158, 0.3412



72.6586, 0.2536, 0.3160

# 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.



45.2305, 0.2151, 0.2627



45.2305, 0.4158, 0.3412



45.2305, 0.2465, 0.3572

# Square

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



45.2305, 0.4158, 0.3412



45.2305, 0.3463, 0.4287



45.2305, 0.2194, 0.3027



45.2305, 0.2727, 0.2459



# Rectangle

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



45.2305, 0.4158, 0.3412



45.2305, 0.4053, 0.4077



45.2305, 0.2194, 0.3027



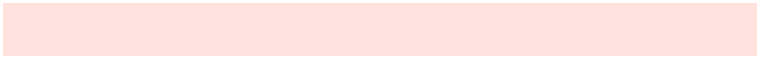
45.2305, 0.2250, 0.2478

# Sweetspot

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



45.2327, 0.4158, 0.3412



80.5850, 0.3361, 0.3326



45.8250, 0.3264, 0.2352



16.6104, 0.3408, 0.3333



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.



45.2327, 0.4158, 0.3412



41.8841, 0.4480, 0.3434



65.8466, 0.3920, 0.3945



16.7668, 0.3291, 0.3316



10.9531, 0.6314, 0.3368



1.0549, 0.6145, 0.3503



# Inverse Universe

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



72.6586, 0.2536, 0.3160



74.9192, 0.2442, 0.3130



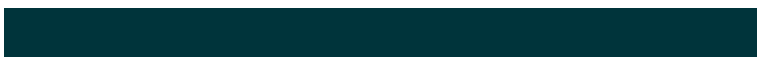
47.4339, 0.2432, 0.2525



18.4381, 0.2981, 0.3264



30.9319, 0.2153, 0.2951



2.8035, 0.2166, 0.2997



# Previews

## White Background



This preview shows how the Yxy color 45.2305, 0.4158, 0.3412 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

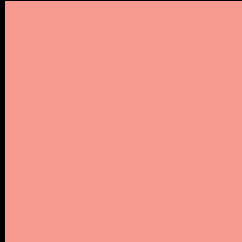
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.2305, 0.4158, 0.3412 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 45.2305, 0.4158, 0.3412**

## Background



This preview shows how black text looks on a background with the Yxy color 45.2305, 0.4158, 0.3412.

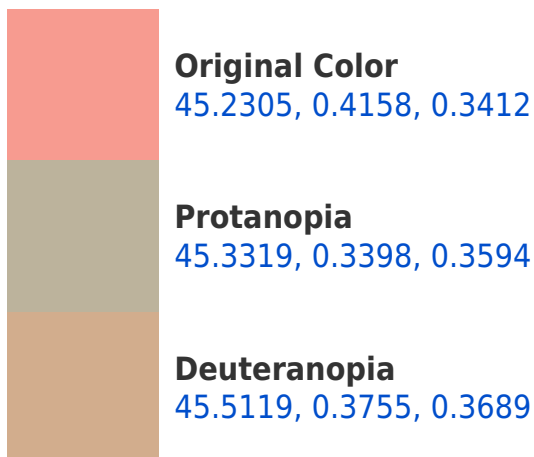


This preview shows how white text looks on a background with the Yxy color 45.2305, 0.4158, 0.3412.

# 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





## Tritanopia

45.2406, 0.3993, 0.3174

# Trichromacy



## Original Color

45.2305, 0.4158, 0.3412

## Protanomaly

44.5718, 0.3655, 0.3516

## Deuteranomaly

44.9134, 0.3899, 0.3578

## Tritanomaly

45.1392, 0.4052, 0.3260

# Monochromacy



## Original Color

45.2305, 0.4158, 0.3412

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

45.3113, 0.3465, 0.3341

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.2305, 0.4158, 0.3412 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(247, 155, 144)` looks like.

```
.text, #text, p{  
    color:rgb(247, 155, 144)  
}
```

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(247, 155, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 155, 144) }
```

## Border

The CSS property to change the border of an element to Yxy 45.2305, 0.4158, 0.3412 is called "border". The border property can be set on classes, ids or directly on the HTML element.

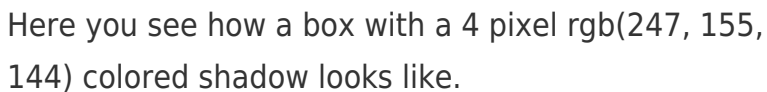
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(247, 155, 144) }
```

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

```
.border{ border-color:rgb(247, 155, 144) }
```

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



Here you see how a box with a 4 pixel `rgb(247, 155, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(247, 155, 144); -webkit-box-shadow:4px 4px 4px 4px rgb(247, 155, 144); box-shadow:4px 4px 4px 4px rgb(247, 155, 144) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.2305, 0.4158, 0.3412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 155, 144) }
```

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

```
.background{ background-color: rgb(247,  
155, 144) }
```

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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