

# Converting Colors

$Y_{xy}(41.7670, 0.4120, 0.3324)$

Have a look what the booklet for  
Yxy(41.7670, 0.4120, 0.3324)  
contains.

<b>Yxy(41.7494, 0.4114, 0.3326)</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(41.7494, 0.4114, 0.3326)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F09491
RGB	240, 148, 145
RGB Percent	94%, 58%, 57%
CMY	0.0588, 0.4196, 0.4313
CMYK	0.00, 0.38, 0.40, 0.06
HSL	2°, 76%, 75%
HSV	2°, 40%, 94%
XYZ	51.6407, 41.7494, 32.1342
YIQ	175.1660, 55.7950, 18.5710

# Conversions

## Conversions Part 2

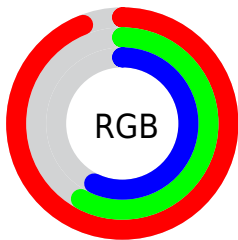
Format	Color
R <sub>Y</sub> B	240, 148, 145
Decimal	15766673
CIE Lab	70.70, 34.30, 16.32
CIE LCh	71, 37.983, 25.449
Yxy	41.7494, 0.4114, 0.3326
Android (android.graphics.Color)	4293956753 (0xFFFF09491)
YUV	175.1660, -14.8718, 56.8594
Hunter-Lab	64.6138, 29.5869, 15.7431

# Details

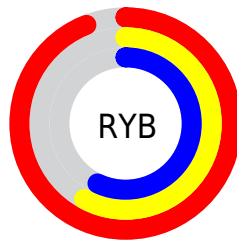
The Yxy color **41.7494, 0.4114, 0.3326** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **72.9062, 0.2575, 0.3253**, and the grayscale version is **43.0188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.0954, 0.3568, 0.3333**, and **19.0157, 0.4402, 0.3308** is the 20% darker color. If you saturate the color by 10%, you get **34.5117, 0.4511, 0.3334**, and if you desaturate by 10%, it is **50.6124, 0.3782, 0.3317**.

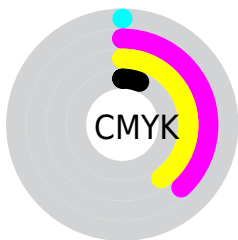
# Distribution



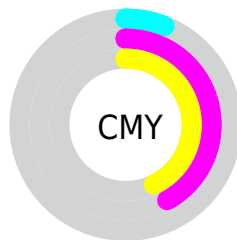
- Red (94%)
- Green (58%)
- Blue (57%)



- Red (94%)
- Yellow (58%)
- Blue (57%)



- Cyan (0%)
- Magenta (38%)
- Yellow (40%)
- Black (6%)




- Cyan (6%)
- Magenta (42%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7494, 0.4114, 0.3326 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 41.7494, 0.4114, 0.3326 by changing the saturation by 10% instead.





 41.7494, 0.4114,  
0.3326


 41.7494, 0.4114,  
0.3326


353.4431, 0.3606,  
0.3325

 28.9051, 0.4244,  
0.3321


 77.8202, 0.3927,  
0.3330

 19.0091, 0.4412,  
0.3310


 101.8155, 0.3857,  
0.3330

 11.6768, 0.4638,  
0.3291


130.2966, 0.3799,  
0.3329

 6.5240, 0.4954,  
0.3251

163.6480, 0.3749,  
0.3329

 3.1663, 0.5424,  
0.3167

202.2539, 0.3706,  
0.3328

 1.2191, 0.6495,  
0.3125

246.4987, 0.3669,

 0.0773, 0.9220,

0.3327


0.0780

296.7670, 0.3636,  
0.3326


 0.0000, 0.0000,  
0.0000

 41.7494, 0.4114,  
0.3326


 41.7494, 0.4114,  
0.3326


 34.5117, 0.4511,  
0.3334

 50.6124, 0.3782,  
0.3317

 28.7950, 0.4965,  
0.3340


 61.1844, 0.3512,  
0.3307


 24.4927, 0.5441,  
0.3341

 73.5509, 0.3295,  
0.3298

 21.4814, 0.5879,  
0.3336

 87.7897, 0.3121,  
0.3290

 19.6172, 0.6206,  
0.3324

 97.2676, 0.3035,  
0.3290

■ 18.7142, 0.6379,  
0.3313

■ 18.6906, 0.6384,  
0.3313

# Harmonies

## Analogous

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



41.7494, 0.3706, 0.2919



41.7494, 0.4114, 0.3326



41.7494, 0.4223, 0.3755

# Triad

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



41.7494, 0.4114, 0.3326



41.7494, 0.3029, 0.4143



41.7494, 0.2279, 0.2456

# Complementary

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



41.7494, 0.4114, 0.3326



72.9062, 0.2575, 0.3253

# 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.



41.7494, 0.2138, 0.2688



41.7494, 0.4114, 0.3326



41.7494, 0.2542, 0.3684

# Square

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



41.7494, 0.4114, 0.3326



41.7494, 0.3569, 0.4293



41.7494, 0.2227, 0.3127



41.7494, 0.2633, 0.2437



# Rectangle

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



41.7494, 0.4114, 0.3326



41.7494, 0.4114, 0.4013



41.7494, 0.2227, 0.3127



41.7494, 0.2207, 0.2509

# Sweetspot

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



41.7515, 0.4114, 0.3326



80.7075, 0.3344, 0.3300



44.9843, 0.3186, 0.2328



16.8656, 0.3371, 0.3301



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.



41.7515, 0.4114, 0.3326



41.4498, 0.4409, 0.3333



59.2017, 0.3904, 0.3829



15.8380, 0.3293, 0.3298



10.2657, 0.6378, 0.3318



0.8817, 0.6318, 0.3365



# Inverse Universe

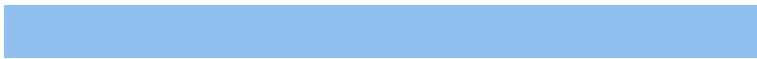
The Inverse Universe completely reimagines the original color for something new.



72.9062, 0.2575, 0.3253



81.5340, 0.2493, 0.3246



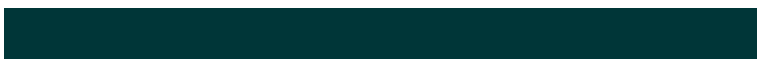
49.5476, 0.2486, 0.2676



17.8391, 0.2981, 0.3282



35.2272, 0.2220, 0.3192



2.9570, 0.2224, 0.3205



# Previews

## White Background



This preview shows how the Yxy color 41.7494, 0.4114, 0.3326 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

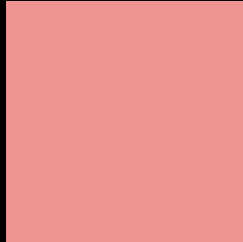
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.7494, 0.4114, 0.3326 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 41.7494, 0.4114, 0.3326**

## Background



This preview shows how black text looks on a background with the Yxy color 41.7494, 0.4114, 0.3326.



This preview shows how white text looks on a background with the Yxy color 41.7494, 0.4114, 0.3326.

# 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

41.7494, 0.4114, 0.3326

### Protanopia

42.0591, 0.3318, 0.3495

### Deuteranopia

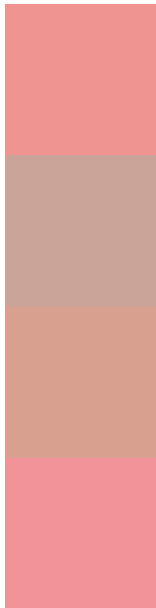
42.0079, 0.3681, 0.3614



## Tritanopia

41.6929, 0.4003, 0.3170

# Trichromacy



**Original Color**

41.7494, 0.4114, 0.3326

**Protanomaly**

41.4074, 0.3596, 0.3433

**Deuteranomaly**

41.5719, 0.3837, 0.3501

**Tritanomaly**

41.8681, 0.4042, 0.3226

# Monochromacy



**Original Color**

41.7494, 0.4114, 0.3326

**Achromatopsia**

42.8690, 0.3127, 0.3290

**Achromatomaly**

41.7327, 0.3460, 0.3304

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.7494, 0.4114, 0.3326 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(240, 148, 145)` looks like.

```
.text, #text, p{  
    color:rgb(240, 148, 145)  
}
```

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(240, 148, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 148, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 41.7494, 0.4114, 0.3326 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(240, 148, 145) }
```

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

```
.border{ border-color:rgb(240, 148, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 148, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 148, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 148, 145);  
box-shadow:4px 4px 4px 4px rgb(240, 148,  
145) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.7494, 0.4114, 0.3326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 148, 145) }
```

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

```
.background{ background-color: rgb(240,  
148, 145) }
```

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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