

# Converting Colors

Yxy(36.9528, 0.4163, 0.3230)

Have a look what the booklet for  
Yxy(36.9528, 0.4163, 0.3230)  
contains.

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# Color

**Yxy(36.7435, 0.4160, 0.3225)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EA878D
RGB	234, 135, 141
RGB Percent	92%, 53%, 55%
CMY	0.0825, 0.4705, 0.4471
CMYK	0.00, 0.42, 0.40, 0.08
HSL	356°, 70%, 72%
HSV	356°, 42%, 92%
XYZ	47.3963, 36.7435, 29.7936
YIQ	165.2850, 57.0780, 22.8540

# Conversions

## Conversions Part 2

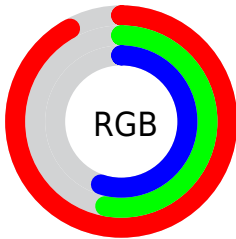
Format	Color
<a href="#">RYB</a>	<a href="#">234, 135, 141</a>
Decimal	<a href="#">15370125</a>
CIELab	<a href="#">67.08, 38.37, 13.41</a>
CIELCh	<a href="#">67, 40.649, 19.257</a>
Yxy	<a href="#">36.7435, 0.4160, 0.3225</a>
Android (android.graphics.Color)	<a href="#">4293560205</a> (0xFFEA878D)
YUV	<a href="#">165.2850, -11.9725, 60.2631</a>
Hunter-Lab	<a href="#">60.6164, 33.4913, 13.2899</a>

# Details

The Yxy color **36.7435, 0.4160, 0.3225** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **69.5829, 0.2580, 0.3361**, and the grayscale version is **37.8110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0270, 0.3630, 0.3240**, and **16.0558, 0.4486, 0.3178** is the 20% darker color. If you saturate the color by 10%, you get **30.3261, 0.4557, 0.3213**, and if you desaturate by 10%, it is **44.7290, 0.3827, 0.3240**.

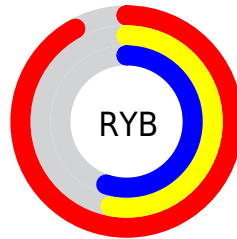
# Distribution



Red (92%)

Green (53%)

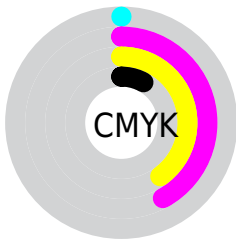
Blue (55%)



Red (92%)

Yellow (53%)

Blue (55%)

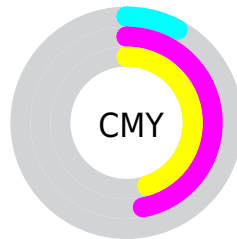


Cyan (0%)

Magenta (42%)

Yellow (40%)

Black (8%)



Cyan (8%)

Magenta (47%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.7435, 0.4160, 0.3225 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 36.7435, 0.4160, 0.3225 by changing the saturation by 10% instead.





 36.7435, 0.4160,  
0.3225


 36.7435, 0.4160,  
0.3225


332.1987, 0.3618,  
0.3275

 25.0090, 0.4302,  
0.3206


 70.1781, 0.3958,  
0.3248

 16.0837, 0.4489,  
0.3178


 92.6470, 0.3883,  
0.3255

 9.5834, 0.4744,  
0.3134


 119.4627, 0.3821,  
0.3260

 5.1236, 0.5108,  
0.3059

151.0098, 0.3768,  
0.3265

 2.3200, 0.5664,  
0.2915

187.6725, 0.3723,  
0.3268

 0.7843, 0.7176,  
0.2824

229.8353, 0.3683,

 0.0000, 1.0000,

0.3271

0.0000

277.8825, 0.3649,  
0.3273

0.0000, 0.0000,  
0.0000

36.7435, 0.4160,  
0.3225

36.7435, 0.4160,  
0.3225

30.3261, 0.4557,  
0.3213

44.7290, 0.3827,  
0.3240

25.3685, 0.5006,  
0.3208

54.3705, 0.3555,  
0.3256

21.7576, 0.5473,  
0.3212


65.7560, 0.3337,  
0.3272

19.3613, 0.5897,  
0.3228

78.9655, 0.3162,  
0.3287

18.0207, 0.6210,  
0.3254

94.0744, 0.3022,  
0.3301

 17.5195, 0.6352,  
0.3273

 96.2274, 0.2999,  
0.3290

# Harmonies

## Analogous

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



36.7435, 0.3650, 0.2796



36.7435, 0.4160, 0.3225



36.7435, 0.4355, 0.3698

# Triad

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



36.7435, 0.4160, 0.3225



36.7435, 0.3135, 0.4320



36.7435, 0.2138, 0.2399

# Complementary

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



36.7435, 0.4160, 0.3225



69.5829, 0.2580, 0.3361

# 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.



36.7435, 0.2035, 0.2697



36.7435, 0.4160, 0.3225



36.7435, 0.2572, 0.3859

# Square

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



36.7435, 0.4160, 0.3225



36.7435, 0.3726, 0.4396



36.7435, 0.2182, 0.3225



36.7435, 0.2479, 0.2336



# Rectangle

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



36.7435, 0.4160, 0.3225



36.7435, 0.4277, 0.3998



36.7435, 0.2182, 0.3225



36.7435, 0.2077, 0.2471

# Sweetspot

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



36.7453, 0.4160, 0.3225



78.7967, 0.3352, 0.3271



39.6654, 0.3115, 0.2234



16.1766, 0.3397, 0.3267



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.



36.7453, 0.4160, 0.3225



37.6027, 0.4512, 0.3214



51.0389, 0.4010, 0.3776



15.0688, 0.3283, 0.3276



9.8538, 0.6336, 0.3264



0.7790, 0.6165, 0.3170



# Inverse Universe

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



36.7453, 0.4160, 0.3225



37.6027, 0.4512, 0.3214



48.3943, 0.2461, 0.2738



15.0688, 0.3283, 0.3276



9.8538, 0.6336, 0.3264



0.7790, 0.6165, 0.3170



# Previews

## White Background



This preview shows how the Yxy color 36.7435, 0.4160, 0.3225 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 36.7435, 0.4160, 0.3225 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

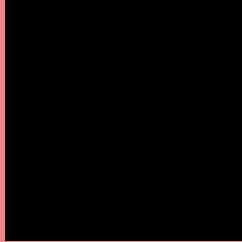
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 36.7435, 0.4160, 0.3225**

## **Background**



This preview shows how black text looks on a background with the Yxy color 36.7435, 0.4160, 0.3225.



This preview shows how white text looks on a background with the Yxy color 36.7435, 0.4160, 0.3225.

# 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

36.7435, 0.4160, 0.3225

### Protanopia

37.0297, 0.3247, 0.3390

### Deuteranopia

36.7389, 0.3644, 0.3564



## Tritanopia

36.5562, 0.4130, 0.3179

# Trichromacy



## Original Color

36.7435, 0.4160, 0.3225

## Protanomaly

36.3543, 0.3557, 0.3318

## Deuteranomaly

36.3090, 0.3831, 0.3434

## Tritanomaly

36.5258, 0.4142, 0.3191

# Monochromacy



## Original Color

36.7435, 0.4160, 0.3225

## Achromatopsia

37.6262, 0.3127, 0.3290

## Achromatomaly

36.4587, 0.3473, 0.3264

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.7435, 0.4160, 0.3225 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(234, 135, 141)` looks like.

```
.text, #text, p{  
    color:rgb(234, 135, 141)  
}
```

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(234, 135, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 135, 141) }
```

## Border

The CSS property to change the border of an element to Yxy 36.7435, 0.4160, 0.3225 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(234, 135, 141) }
```

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

```
.border{ border-color:rgb(234, 135, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 135, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 135, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 135, 141);  
box-shadow:4px 4px 4px 4px rgb(234, 135,  
141) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.7435, 0.4160, 0.3225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 135, 141) }
```

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

```
.background{ background-color: rgb(234,  
135, 141) }
```

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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