

# Converting Colors

$Yxy(37.1263, 0.3922, 0.3148)$

Have a look what the booklet for  
Yxy(37.1263, 0.3922, 0.3148)  
contains.

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# Color

**Yxy(37.0307, 0.3921, 0.3150)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E18C98
RGB	225, 140, 152
RGB Percent	88%, 55%, 60%
CMY	0.1177, 0.4509, 0.4038
CMYK	0.00, 0.38, 0.32, 0.12
HSL	352°, 59%, 72%
HSV	352°, 38%, 88%
XYZ	46.0944, 37.0307, 34.4327
YIQ	166.7830, 46.8080, 21.7520

# Conversions

## Conversions Part 2

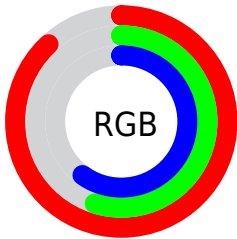
Format	Color
R <sub>Y</sub> B	225, 140, 152
Decimal	14781592
CIE Lab	67.30, 33.78, 7.36
CIE LCh	67, 34.573, 12.294
Yxy	37.0307, 0.3921, 0.3150
Android (android.graphics.Color)	4292971672 (0xFFE18C98)
YUV	166.7830, -7.2880, 51.0563
Hunter-Lab	60.8529, 28.7165, 9.0486

# Details

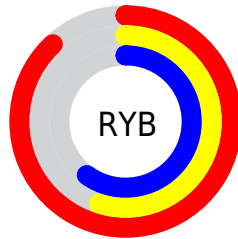
The Yxy color **37.0307, 0.3921, 0.3150** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **64.2209, 0.2665, 0.3440**, and the grayscale version is **38.5533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.7464, 0.3529, 0.3178**, and **16.2439, 0.4186, 0.3093** is the 20% darker color. If you saturate the color by 10%, you get **30.5329, 0.4253, 0.3116**, and if you desaturate by 10%, it is **44.9793, 0.3646, 0.3188**.

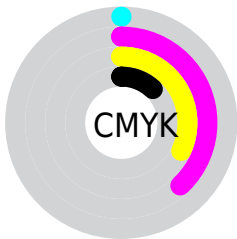
# Distribution



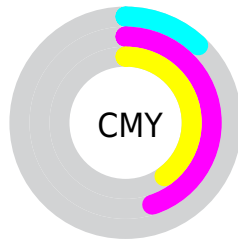
- Red (88%)
- Green (55%)
- Blue (60%)



- Red (88%)
- Yellow (55%)
- Blue (60%)



- Cyan (0%)
- Magenta (38%)
- Yellow (32%)
- Black (12%)




- Cyan (12%)
- Magenta (45%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.0307, 0.3921, 0.3150 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 37.0307, 0.3921, 0.3150 by changing the saturation by 10% instead.





 37.0307, 0.3921,  
0.3150


 37.0307, 0.3921,  
0.3150

333.4434, 0.3506,  
0.3230


 25.2313, 0.4030,  
0.3126

 70.6200, 0.3766,  
0.3182

 16.2494, 0.4174,  
0.3094


 93.1786, 0.3709,  
0.3193

 9.7008, 0.4371,  
0.3047


 120.0925, 0.3661,  
0.3202

 5.2011, 0.4655,  
0.2973

151.7459, 0.3621,  
0.3210

 2.3657, 0.5100,  
0.2846

188.5233, 0.3586,  
0.3216

 0.8082, 0.6104,  
0.2683

230.8091, 0.3556,


 0.0000, 1.0000,


0.3221


0.0000


278.9877, 0.3529,  
0.3226


 0.0000, 0.0000,  
0.0000

 37.0307, 0.3921,  
0.3150


 37.0307, 0.3921,  
0.3150


 30.5329, 0.4253,  
0.3116

 44.9793, 0.3646,  
0.3188

 25.3931, 0.4642,  
0.3091


 54.4534, 0.3422,  
0.3226


 21.5162, 0.5073,  
0.3081

 65.5291, 0.3242,  
0.3263

 18.7923, 0.5509,  
0.3095

 78.2757, 0.3097,  
0.3297

 17.0928, 0.5897,  
0.3135

 92.7586, 0.2981,  
0.3329

■ 16.2420, 0.6183,  
0.3196

■ 94.7449, 0.2946,  
0.3289

■ 16.1081, 0.6233,  
0.3207

# Harmonies

## Analogous

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



37.0307, 0.3452, 0.2791



37.0307, 0.3921, 0.3150



37.0307, 0.4159, 0.3560

# Triad

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



37.0307, 0.3921, 0.3150



37.0307, 0.3264, 0.4198



37.0307, 0.2234, 0.2569

# Complementary

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



37.0307, 0.3921, 0.3150



64.2209, 0.2665, 0.3440

# 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.



37.0307, 0.2195, 0.2882



37.0307, 0.3921, 0.3150



37.0307, 0.2762, 0.3878

# Square

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



37.0307, 0.3921, 0.3150



37.0307, 0.3753, 0.4201



37.0307, 0.2378, 0.3365



37.0307, 0.2487, 0.2462



# Rectangle

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



37.0307, 0.3921, 0.3150



37.0307, 0.4146, 0.3825



37.0307, 0.2378, 0.3365



37.0307, 0.2196, 0.2651

# Sweetspot

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



37.0325, 0.3921, 0.3150



81.9355, 0.3298, 0.3251



38.2277, 0.3053, 0.2326



17.1013, 0.3322, 0.3246



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.



37.0325, 0.3921, 0.3150



42.5055, 0.4166, 0.3124



46.5555, 0.3920, 0.3642



13.7319, 0.3270, 0.3257



9.2939, 0.6205, 0.3192



0.6544, 0.5841, 0.2991



# Inverse Universe

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



37.0325, 0.3921, 0.3150



42.5055, 0.4166, 0.3124



50.1515, 0.2546, 0.2904



13.7319, 0.3270, 0.3257



9.2939, 0.6205, 0.3192

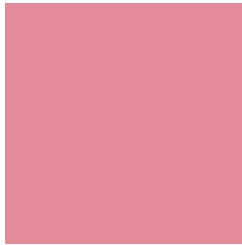


0.6544, 0.5841, 0.2991



# Previews

## White Background



This preview shows how the Yxy color 37.0307, 0.3921, 0.3150 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

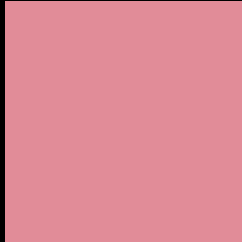
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.0307, 0.3921, 0.3150 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

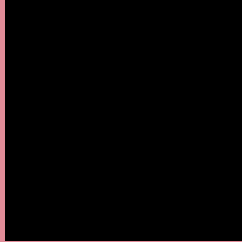
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.0307, 0.3921, 0.3150**

## Background



This preview shows how black text looks on a background with the Yxy color 37.0307, 0.3921, 0.3150.



This preview shows how white text looks on a background with the Yxy color 37.0307, 0.3921, 0.3150.

# 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

37.0307, 0.3921, 0.3150

### Protanopia

37.1265, 0.3147, 0.3262

### Deuteranopia

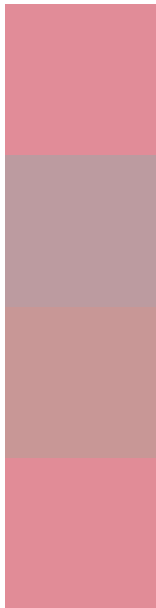
37.0627, 0.3491, 0.3414



## Tritanopia

36.9981, 0.3933, 0.3162

# Trichromacy



## Original Color

37.0307, 0.3921, 0.3150

## Protanomaly

36.6721, 0.3411, 0.3223

## Deuteranomaly

36.6146, 0.3645, 0.3305

## Tritanomaly

36.9981, 0.3933, 0.3162

# Monochromacy



## Original Color

37.0307, 0.3921, 0.3150

## Achromatopsia

38.6429, 0.3127, 0.3290

## Achromatomaly

37.4139, 0.3388, 0.3224

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.0307, 0.3921, 0.3150 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(225, 140, 152)` looks like.

```
.text, #text, p{  
    color:rgb(225, 140, 152)  
}
```

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(225, 140, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 140, 152) }
```

## Border

The CSS property to change the border of an element to Yxy 37.0307, 0.3921, 0.3150 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(225, 140, 152) }
```

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

```
.border{ border-color:rgb(225, 140, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 140, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 140, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 140, 152);  
box-shadow:4px 4px 4px 4px rgb(225, 140,  
152) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.0307, 0.3921, 0.3150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 140, 152) }
```

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

```
.background{ background-color: rgb(225,  
140, 152) }
```

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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