

# Converting Colors

$Y_{xy}(37.4081, 0.4428, 0.3391)$

Have a look what the booklet for  
Yxy(37.4081, 0.4428, 0.3391)  
contains.

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# Color

**Yxy(37.4081, 0.4428, 0.3391)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F2867D
RGB	242, 134, 125
RGB Percent	95%, 53%, 49%
CMY	0.0510, 0.4745, 0.5097
CMYK	0.00, 0.45, 0.48, 0.05
HSL	5°, 82%, 72%
HSV	5°, 48%, 95%
XYZ	48.8479, 37.4081, 24.0599
YIQ	165.2660, 67.2570, 20.0970

# Conversions

## Conversions Part 2

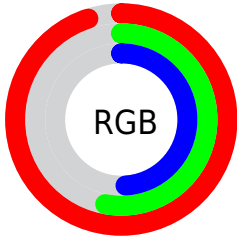
Format	Color
R <sub>Y</sub> B	242, 135, 125
Decimal	15894141
CIE Lab	67.58, 40.24, 23.19
CIE LCh	68, 46.442, 29.961
Yxy	37.4081, 0.4428, 0.3391
Android (android.graphics.Color)	4294084221 (0xFFFF2867D)
YUV	165.2660, -19.8511, 67.2957
Hunter-Lab	61.1622, 35.5273, 19.4901

# Details

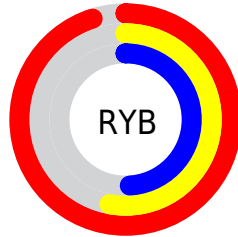
The Yxy color **37.4081, 0.4428, 0.3391** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **69.0750, 0.2469, 0.3180**, and the grayscale version is **37.8363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8695, 0.3777, 0.3407**, and **16.5015, 0.4830, 0.3375** is the 20% darker color. If you saturate the color by 10%, you get **31.3267, 0.4860, 0.3405**, and if you desaturate by 10%, it is **44.9490, 0.4051, 0.3371**.

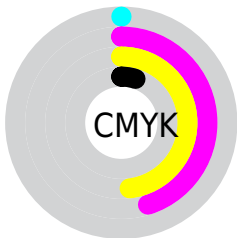
# Distribution



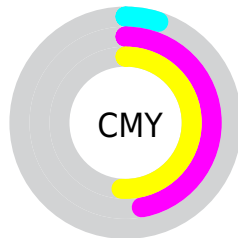
- Red (95%)
- Green (53%)
- Blue (49%)



- Red (95%)
- Yellow (53%)
- Blue (49%)



- Cyan (0%)
- Magenta (45%)
- Yellow (48%)
- Black (5%)




- Cyan (5%)
- Magenta (47%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.4081, 0.4428, 0.3391 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 37.4081, 0.4428, 0.3391 by changing the saturation by 10% instead.




 37.4081, 0.4428,  
0.3391


 37.4081, 0.4428,  
0.3391


335.0740, 0.3749,  
0.3370


 25.5236, 0.4604,  
0.3385


 71.2000, 0.4176,  
0.3391

 16.4676, 0.4831,  
0.3370


 93.8762, 0.4083,  
0.3389

 9.8556, 0.5136,  
0.3338


 120.9185, 0.4004,  
0.3386

 5.3033, 0.5558,  
0.3267

152.7111, 0.3938,  
0.3383

 2.4263, 0.6221,  
0.3136

189.6386, 0.3881,  
0.3380

 0.8394, 0.7212,  
0.2788

232.0853, 0.3831,


 0.0000, 1.0000,


0.3377

0.0000


280.4357, 0.3787,  
0.3373


 0.0000, 0.0000,  
0.0000


 37.4081, 0.4428,  
0.3391


 37.4081, 0.4428,  
0.3391

 31.3267, 0.4860,  
0.3405


 44.9490, 0.4051,  
0.3371


 26.6050, 0.5323,  
0.3409

 54.0292, 0.3736,  
0.3350

 23.1399, 0.5765,  
0.3398

 64.7297, 0.3478,  
0.3327


 20.8107, 0.6119,  
0.3373

 77.1242, 0.3270,  
0.3306

 19.4712, 0.6332,  
0.3338

 91.2817, 0.3102,  
0.3287

 19.3286, 0.6357,  
0.3335

 97.6181, 0.3048,  
0.3290

# Harmonies

## Analogous

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



37.4081, 0.3956, 0.2893



37.4081, 0.4428, 0.3391



37.4081, 0.4488, 0.3914

# Triad

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



37.4081, 0.4428, 0.3391



37.4081, 0.2887, 0.4331



37.4081, 0.2127, 0.2238

# Complementary

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



37.4081, 0.4428, 0.3391



69.0750, 0.2469, 0.3180

# 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.



37.4081, 0.1918, 0.2465



37.4081, 0.4428, 0.3391



37.4081, 0.2313, 0.3681

# Square

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



37.4081, 0.4428, 0.3391



37.4081, 0.3561, 0.4574



37.4081, 0.1977, 0.2967



37.4081, 0.2590, 0.2260



# Rectangle

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



37.4081, 0.4428, 0.3391



37.4081, 0.4301, 0.4233



37.4081, 0.1977, 0.2967



37.4081, 0.2028, 0.2285

# Sweetspot

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



37.4100, 0.4428, 0.3391



78.6519, 0.3383, 0.3318



39.5071, 0.3253, 0.2184



16.2045, 0.3430, 0.3323



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.



37.4100, 0.4428, 0.3391



35.3830, 0.4853, 0.3405



57.7605, 0.4092, 0.4005



15.9533, 0.3291, 0.3309



10.4570, 0.6343, 0.3345



0.9370, 0.6206, 0.3455



# Inverse Universe

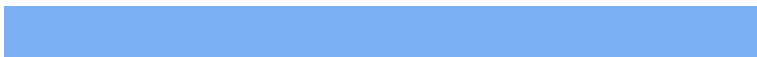
The Inverse Universe completely reimagines the original color for something new.



69.0750, 0.2469, 0.3180



74.8525, 0.2376, 0.3154



41.7159, 0.2328, 0.2431



17.7095, 0.2981, 0.3271



32.0175, 0.2180, 0.3049



2.7247, 0.2190, 0.3083



# Previews

## White Background



This preview shows how the Yxy color 37.4081, 0.4428, 0.3391 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 37.4081, 0.4428, 0.3391 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 37.4081, 0.4428, 0.3391**

## Background



This preview shows how black text looks on a background with the Yxy color 37.4081, 0.4428, 0.3391.



This preview shows how white text looks on a background with the Yxy color 37.4081, 0.4428, 0.3391.

# 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**

37.4081, 0.4428, 0.3391

**Protanopia**

37.7730, 0.3447, 0.3661

**Deuteranopia**

37.4363, 0.3860, 0.3784



## Tritanopia

37.4803, 0.4264, 0.3195

# Trichromacy



## Original Color

37.4081, 0.4428, 0.3391

## Protanomaly

36.9745, 0.3790, 0.3555

## Deuteranomaly

36.8971, 0.4074, 0.3629

## Tritanomaly

37.5790, 0.4329, 0.3272

# Monochromacy



## Original Color

37.4081, 0.4428, 0.3391

## Achromatopsia

37.6262, 0.3127, 0.3290

## Achromatomaly

36.6507, 0.3564, 0.3345

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.4081, 0.4428, 0.3391 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(242, 134, 125)` looks like.

```
.text, #text, p{  
    color:rgb(242, 134, 125)  
}
```

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(242, 134, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 134, 125) }
```

## Border

The CSS property to change the border of an element to Yxy 37.4081, 0.4428, 0.3391 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(242, 134, 125) }
```

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

```
.border{ border-color:rgb(242, 134, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 134, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 134, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 134, 125);  
box-shadow:4px 4px 4px 4px rgb(242, 134,  
125) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.4081, 0.4428, 0.3391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 134, 125) }
```

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

```
.background{ background-color: rgb(242,  
134, 125) }
```

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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