

# Converting Colors

$Y_{xy}(37.0286, 0.4558, 0.3224)$

Have a look what the booklet for  
Yxy(37.0286, 0.4558, 0.3224)  
contains.

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# Color

**Yxy(37.0376, 0.4556, 0.3224)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7B82
RGB	255, 123, 130
RGB Percent	100%, 48%, 51%
CMY	0.0002, 0.5175, 0.4903
CMYK	0.00, 0.52, 0.49, 0.00
HSL	357°, 100%, 74%
HSV	357°, 52%, 100%
XYZ	52.3397, 37.0376, 25.5036
YIQ	163.2660, 76.4250, 30.1610

# Conversions

## Conversions Part 2

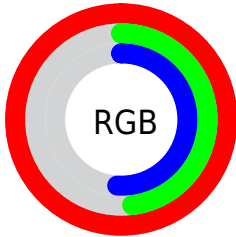
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 123, 130</a>
Decimal	<a href="#">16743298</a>
CIELab	<a href="#">67.31, 50.75, 20.34</a>
CIElCh	<a href="#">67, 54.679, 21.844</a>
Yxy	<a href="#">37.0376, 0.4556, 0.3224</a>
Android (android.graphics.Color)	<a href="#">4294933378 (0xFFFF7B82)</a>
YUV	<a href="#">163.2660, -16.4001, 80.4507</a>
Hunter-Lab	<a href="#">60.8585, 47.0117, 17.7547</a>

# Details

The Yxy color **37.0376, 0.4556, 0.3224** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **82.4851, 0.2486, 0.3368**, and the grayscale version is **36.8144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5197, 0.3766, 0.3239**, and **16.3197, 0.4997, 0.3153** is the 20% darker color. If you saturate the color by 10%, you get **30.9397, 0.5009, 0.3219**, and if you desaturate by 10%, it is **44.9385, 0.4156, 0.3234**.

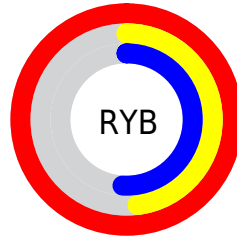
# Distribution



Red (100%)

Green (48%)

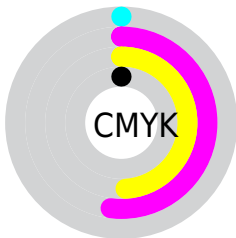
Blue (51%)



Red (100%)

Yellow (48%)

Blue (51%)

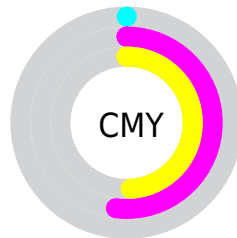


Cyan (0%)

Magenta (52%)

Yellow (49%)

Black (0%)



Cyan (0%)

Magenta (52%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.0376, 0.4556, 0.3224 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 37.0376, 0.4556, 0.3224 by changing the saturation by 10% instead.





 37.0376, 0.4556,  
0.3224


 37.0376, 0.4556,  
0.3224


333.4733, 0.3809,  
0.3291


 25.2366, 0.4749,  
0.3196


 70.6306, 0.4279,  
0.3257

 16.2534, 0.4999,  
0.3153


 93.1914, 0.4177,  
0.3266

 9.7037, 0.5332,  
0.3083


 120.1076, 0.4091,  
0.3274

 5.2029, 0.5795,  
0.2963

151.7636, 0.4017,  
0.3279

 2.3668, 0.6480,  
0.2749

188.5438, 0.3955,  
0.3283

 0.8087, 0.7647,  
0.2353

230.8325, 0.3900,

 0.0000, 1.0000,

0.3286

0.0000

279.0142, 0.3852,  
0.3289

0.0000, 0.0000,  
0.0000

37.0376, 0.4556,  
0.3224

37.0376, 0.4556,  
0.3224

30.9397, 0.5009,  
0.3219

44.9385, 0.4156,  
0.3234

26.4975, 0.5480,  
0.3223

54.7631, 0.3821,  
0.3247

23.5502, 0.5908,  
0.3237

66.6282, 0.3548,  
0.3261

21.9023, 0.6219,  
0.3261

80.6399, 0.3329,  
0.3275

21.2820, 0.6363,  
0.3279

96.8968, 0.3154,  
0.3288

99.9919, 0.3127,  
0.3290

# Harmonies

## Analogous

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



37.0376, 0.3890, 0.2686



37.0376, 0.4556, 0.3224



37.0376, 0.4752, 0.3818

# Triad

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



37.0376, 0.4556, 0.3224



37.0376, 0.3036, 0.4683



37.0376, 0.1881, 0.2113

# Complementary

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



37.0376, 0.4556, 0.3224



82.4851, 0.2486, 0.3368

# 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.



37.0376, 0.1726, 0.2442



37.0376, 0.4556, 0.3224



37.0376, 0.2325, 0.3994

# Square

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



37.0376, 0.4556, 0.3224



37.0376, 0.3813, 0.4779



37.0376, 0.1868, 0.3104



37.0376, 0.2326, 0.2075



# Rectangle

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



37.0376, 0.4556, 0.3224



37.0376, 0.4598, 0.4210



37.0376, 0.1868, 0.3104



37.0376, 0.1797, 0.2188

# Sweetspot

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



37.0396, 0.4556, 0.3224



74.4303, 0.3416, 0.3269



41.0159, 0.3107, 0.2017



15.3165, 0.3461, 0.3266



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.



37.0396, 0.4556, 0.3224



30.8154, 0.5022, 0.3219



55.4085, 0.4283, 0.3880



18.0026, 0.3286, 0.3278



11.1309, 0.6348, 0.3271



1.0890, 0.6224, 0.3202



# Inverse Universe

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



37.0396, 0.4556, 0.3224



30.8154, 0.5022, 0.3219



51.7254, 0.2316, 0.2584



18.0026, 0.3286, 0.3278



11.1309, 0.6348, 0.3271



1.0890, 0.6224, 0.3202



# Previews

## White Background



This preview shows how the Yxy color 37.0376, 0.4556, 0.3224 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

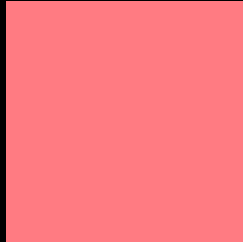
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.0376, 0.4556, 0.3224 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 37.0376, 0.4556, 0.3224**

## Background



This preview shows how black text looks on a background with the Yxy color 37.0376, 0.4556, 0.3224.



This preview shows how white text looks on a background with the Yxy color 37.0376, 0.4556, 0.3224.

# 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

37.0376, 0.4556, 0.3224

### Protanopia

37.4109, 0.3319, 0.3490

### Deuteranopia

37.2464, 0.3810, 0.3748



## Tritanopia

37.0646, 0.4544, 0.3213

# Trichromacy



## Original Color

37.0376, 0.4556, 0.3224

## Protanomaly

36.0346, 0.3747, 0.3370

## Deuteranomaly

36.3561, 0.4094, 0.3526

## Tritanomaly

37.0646, 0.4544, 0.3213

# Monochromacy



## Original Color

37.0376, 0.4556, 0.3224

## Achromatopsia

36.6253, 0.3127, 0.3290

## Achromatomaly

35.1499, 0.3602, 0.3252

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.0376, 0.4556, 0.3224 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(255, 123, 130)` looks like.

```
.text, #text, p{  
    color:rgb(255, 123, 130)  
}
```

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(255, 123, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 123, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 37.0376, 0.4556, 0.3224 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(255, 123, 130) }
```

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

```
.border{ border-color:rgb(255, 123, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 123, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 123, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 123, 130);  
box-shadow:4px 4px 4px 4px rgb(255, 123,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.0376, 0.4556, 0.3224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 123, 130) }
```

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

```
.background{ background-color: rgb(255,  
123, 130) }
```

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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