

# Converting Colors

$Y_{xy}(43.2190, 0.4597, 0.3101)$

Have a look what the booklet for  
Yxy(43.2190, 0.4597, 0.3101)  
contains.

<b>Yxy(37.7506, 0.4359, 0.3068)</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(37.7506, 0.4359, 0.3068)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7C92
RGB	255, 124, 146
RGB Percent	100%, 49%, 57%
CMY	0.0000, 0.5137, 0.4274
CMYK	0.00, 0.51, 0.43, 0.00
HSL	350°, 100%, 74%
HSV	350°, 51%, 100%
XYZ	53.6359, 37.7506, 31.6598
YIQ	165.6770, 71.0140, 34.6140

# Conversions

## Conversions Part 2

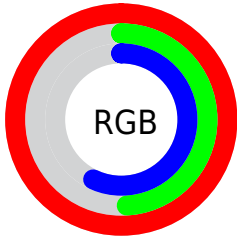
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 124, 146</a>
Decimal	<a href="#">16743570</a>
CIELab	<a href="#">67.84, 51.82, 12.05</a>
CIElCh	<a href="#">68, 53.201, 13.087</a>
Yxy	<a href="#">37.7506, 0.4359, 0.3068</a>
Android (android.graphics.Color)	<a href="#">4294933650 (0xFFFF7C92)</a>
YUV	<a href="#">165.6770, -9.7008, 78.3363</a>
Hunter-Lab	<a href="#">61.4415, 48.3004, 12.4579</a>

# Details

The Yxy color **37.7506, 0.4359, 0.3068** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **81.6859, 0.2553, 0.3548**, and the grayscale version is **37.9933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.0726, 0.3610, 0.3084**, and **16.6942, 0.4730, 0.2974** is the 20% darker color. If you saturate the color by 10%, you get **31.5658, 0.4757, 0.3043**, and if you desaturate by 10%, it is **45.7139, 0.4014, 0.3106**.

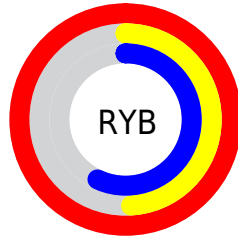
# Distribution



Red (100%)

Green (49%)

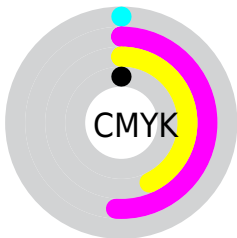
Blue (57%)



Red (100%)

Yellow (49%)

Blue (57%)

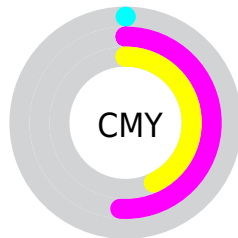


Cyan (0%)

Magenta (51%)

Yellow (43%)

Black (0%)



Cyan (0%)

Magenta (51%)


Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.7506, 0.4359, 0.3068 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 37.7506, 0.4359, 0.3068 by changing the saturation by 10% instead.



 37.7506, 0.4359,  
0.3068

 37.7506, 0.4359,  
0.3068


336.5489, 0.3718,  
0.3201

 25.7892, 0.4525,  
0.3028


 71.7257, 0.4121,  
0.3121

 16.6660, 0.4741,  
0.2973


 94.5082, 0.4033,  
0.3140

 9.9966, 0.5032,  
0.2892


 121.6665, 0.3959,  
0.3155

 5.3967, 0.5442,  
0.2768

153.5850, 0.3897,  
0.3167

 2.4819, 0.6051,  
0.2557

190.6481, 0.3843,  
0.3178

 0.8675, 0.7432,  
0.2297

233.2402, 0.3796,

 0.0000, 1.0000,

0.3186


0.0000


281.7456, 0.3754,  
0.3194


 0.0000, 0.0000,  
0.0000

 37.7506, 0.4359,  
0.3068


 37.7506, 0.4359,  
0.3068


 31.5658, 0.4757,  
0.3043


 45.7139, 0.4014,  
0.3106


 27.0167, 0.5186,  
0.3039


 55.5724, 0.3725,  
0.3151


 23.9481, 0.5608,  
0.3065

 67.4396, 0.3489,  
0.3197

 22.1721, 0.5966,  
0.3122

 81.4185, 0.3299,  
0.3242

 21.4325, 0.6191,  
0.3184

 97.6049, 0.3146,  
0.3284

99.9993, 0.3127,  
0.3290

# Harmonies

## Analogous

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



37.7506, 0.3629, 0.2572



37.7506, 0.4359, 0.3068



37.7506, 0.4699, 0.3639

# Triad

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



37.7506, 0.4359, 0.3068



37.7506, 0.3266, 0.4723



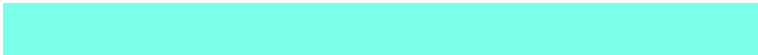
37.7506, 0.1842, 0.2210

# Complementary

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



37.7506, 0.4359, 0.3068



81.6859, 0.2553, 0.3548

# 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.



37.7506, 0.1774, 0.2625



37.7506, 0.4359, 0.3068



37.7506, 0.2535, 0.4205

# Square

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



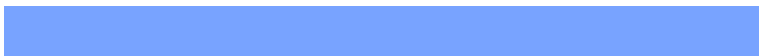
37.7506, 0.4359, 0.3068



37.7506, 0.4001, 0.4660



37.7506, 0.2004, 0.3354



37.7506, 0.2195, 0.2093



# Rectangle

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



37.7506, 0.4359, 0.3068



37.7506, 0.4644, 0.4026



37.7506, 0.2004, 0.3354



37.7506, 0.1787, 0.2313

# Sweetspot

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



37.7526, 0.4359, 0.3068



76.0942, 0.3363, 0.3226



38.6231, 0.2972, 0.1972



15.6536, 0.3403, 0.3217



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.



37.7526, 0.4359, 0.3068



31.2326, 0.4783, 0.3042



49.8014, 0.4365, 0.3721



18.0369, 0.3268, 0.3250



11.2138, 0.6159, 0.3166



1.1051, 0.5878, 0.3012



# Inverse Universe

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



37.7526, 0.4359, 0.3068



31.2326, 0.4783, 0.3042



59.3544, 0.2360, 0.2786



18.0369, 0.3268, 0.3250



11.2138, 0.6159, 0.3166

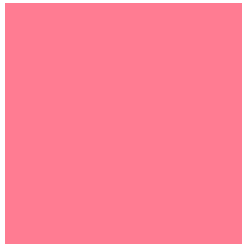


1.1051, 0.5878, 0.3012



# Previews

## White Background



This preview shows how the Yxy color 37.7506, 0.4359, 0.3068 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

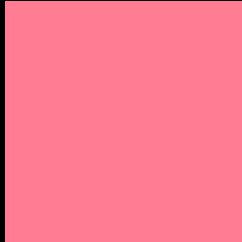
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.7506, 0.4359, 0.3068 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

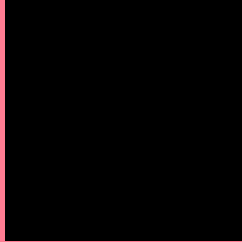
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.7506, 0.4359, 0.3068**

## Background



This preview shows how black text looks on a background with the Yxy color 37.7506, 0.4359, 0.3068.



This preview shows how white text looks on a background with the Yxy color 37.7506, 0.4359, 0.3068.

# 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

37.7506, 0.4359, 0.3068

### Protanopia

38.0623, 0.3129, 0.3248

### Deuteranopia

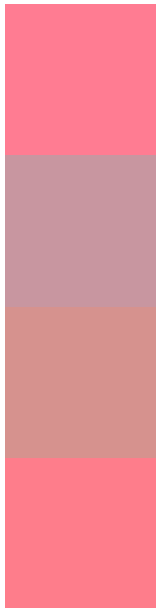
37.7661, 0.3628, 0.3548



## Tritanopia

37.7418, 0.4471, 0.3202

# Trichromacy



## Original Color

37.7506, 0.4359, 0.3068

## Protanomaly

36.6301, 0.3545, 0.3161

## Deuteranomaly

36.8069, 0.3895, 0.3342

## Tritanomaly

37.6021, 0.4429, 0.3150

# Monochromacy



## Original Color

37.7506, 0.4359, 0.3068

## Achromatopsia

38.1326, 0.3127, 0.3290

## Achromatomaly

36.6422, 0.3532, 0.3187

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.7506, 0.4359, 0.3068 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, 124, 146)` looks like.

```
.text, #text, p{  
    color:rgb(255, 124, 146)  
}
```

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, 124, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 124, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 37.7506, 0.4359, 0.3068 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, 124, 146) }
```

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

```
.border{ border-color:rgb(255, 124, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 124, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 124, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 124, 146);  
box-shadow:4px 4px 4px 4px rgb(255, 124,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.7506, 0.4359, 0.3068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 124, 146) }
```

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

```
.background{ background-color: rgb(255,  
124, 146) }
```

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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