

# Converting Colors

$Y_{xy}(32.1784, 0.4581, 0.3068)$

Have a look what the booklet for  
Yxy(32.1784, 0.4581, 0.3068)  
contains.

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# Color

**Yxy(32.0836, 0.4577, 0.3060)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F86B82
RGB	248, 107, 130
RGB Percent	97%, 42%, 51%
CMY	0.0276, 0.5802, 0.4903
CMYK	0.00, 0.57, 0.48, 0.03
HSL	350°, 91%, 70%
HSV	350°, 57%, 97%
XYZ	47.9891, 32.0836, 24.7757
YIQ	151.7810, 76.6530, 37.0450

# Conversions

## Conversions Part 2

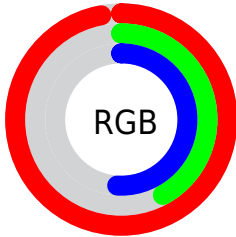
Format	Color
R <sub>Y</sub> B	248, 107, 130
Decimal	16280450
CIE Lab	63.41, 55.85, 14.82
CIE LCh	63, 57.781, 14.858
Yxy	32.0836, 0.4577, 0.3060
Android (android.graphics.Color)	4294470530 (0xFFFF86B82)
YUV	151.7810, -10.7380, 84.3841
Hunter-Lab	56.6424, 52.1063, 13.7159

# Details

The Yxy color **32.0836, 0.4577, 0.3060** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **75.6812, 0.2511, 0.3571**, and the grayscale version is **31.3268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8733, 0.3810, 0.3082**, and **13.4401, 0.5057, 0.2940** is the 20% darker color. If you saturate the color by 10%, you get **27.1307, 0.4998, 0.3046**, and if you desaturate by 10%, it is **38.6346, 0.4200, 0.3091**.

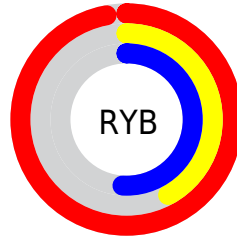
# Distribution



Red (97%)

Green (42%)

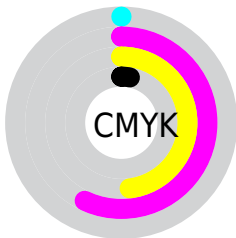
Blue (51%)



Red (97%)

Yellow (42%)

Blue (51%)

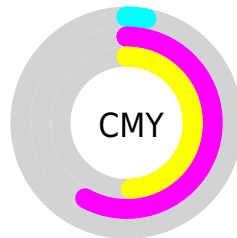


Cyan (0%)

Magenta (57%)

Yellow (48%)

Black (3%)



Cyan (3%)

Magenta (58%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 32.0836, 0.4577, 0.3060 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 32.0836, 0.4577, 0.3060 by changing the saturation by 10% instead.





 32.0836, 0.4577,  
0.3060


 32.0836, 0.4577,  
0.3060


311.4999, 0.3804,  
0.3208


 21.4254, 0.4783,  
0.3011


 62.9421, 0.4286,  
0.3122


 13.4353, 0.5054,  
0.2942


 83.9112, 0.4179,  
0.3143

 7.7290, 0.5422,  
0.2837


 109.0860, 0.4091,  
0.3160

 3.9220, 0.5946,  
0.2666

 138.8510, 0.4016,  
0.3173

 1.6300, 0.6769,  
0.2382

173.5904, 0.3951,  
0.3184

 0.3777, 0.8454,  
0.1546

213.6888, 0.3895,


 0.0000, 1.0000,

0.3193


0.0000


259.5305, 0.3847,  
0.3201

 0.0000, 0.0000,  
0.0000


 32.0836, 0.4577,  
0.3060


 32.0836, 0.4577,  
0.3060


 27.1307, 0.4998,  
0.3046


 38.6346, 0.4200,  
0.3091

 23.6334, 0.5430,  
0.3058


 46.8998, 0.3879,  
0.3132


 21.4327, 0.5824,  
0.3100

 56.9906, 0.3614,  
0.3176

 20.3259, 0.6125,  
0.3168

 69.0073, 0.3399,  
0.3220

 20.1064, 0.6199,  
0.3189

 83.0432, 0.3226,  
0.3263

98.6612, 0.3086,  
0.3294

98.6907, 0.3084,  
0.3290

# Harmonies

## Analogous

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



32.0836, 0.3751, 0.2509



32.0836, 0.4577, 0.3060



32.0836, 0.4921, 0.3688

# Triad

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



32.0836, 0.4577, 0.3060



32.0836, 0.3209, 0.4939



32.0836, 0.1706, 0.2055

# Complementary

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



32.0836, 0.4577, 0.3060



75.6812, 0.2511, 0.3571

# 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.



32.0836, 0.1610, 0.2483



32.0836, 0.4577, 0.3060



32.0836, 0.2398, 0.4302

# Square

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



32.0836, 0.4577, 0.3060



32.0836, 0.4044, 0.4858



32.0836, 0.1833, 0.3291



32.0836, 0.2109, 0.1954



# Rectangle

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



32.0836, 0.4577, 0.3060



32.0836, 0.4821, 0.4120



32.0836, 0.1833, 0.3291



32.0836, 0.1640, 0.2158

# Sweetspot

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



32.0853, 0.4577, 0.3060



73.2712, 0.3403, 0.3219



33.2229, 0.2971, 0.1859



15.0970, 0.3443, 0.3211



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.



32.0853, 0.4577, 0.3060



28.3565, 0.5053, 0.3046



44.1292, 0.4534, 0.3782



17.2713, 0.3268, 0.3252



10.8779, 0.6169, 0.3172



1.0203, 0.5875, 0.3010



# Inverse Universe

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



32.0853, 0.4577, 0.3060



28.3565, 0.5053, 0.3046



51.6730, 0.2286, 0.2691



17.2713, 0.3268, 0.3252



10.8779, 0.6169, 0.3172



1.0203, 0.5875, 0.3010



# Previews

## White Background



This preview shows how the Yxy color 32.0836, 0.4577, 0.3060 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

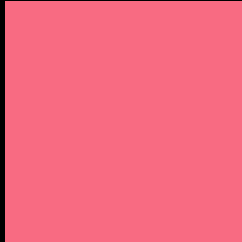
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 32.0836, 0.4577, 0.3060 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 32.0836, 0.4577, 0.3060**

## Background



This preview shows how black text looks on a background with the Yxy color 32.0836, 0.4577, 0.3060.



This preview shows how white text looks on a background with the Yxy color 32.0836, 0.4577, 0.3060.

# 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

32.0836, 0.4577, 0.3060

### Protanopia

32.2837, 0.3158, 0.3275

### Deuteranopia

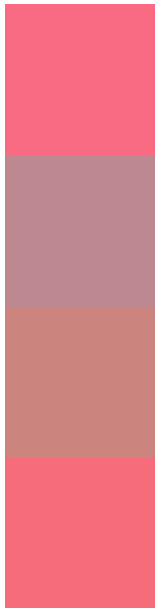
32.1936, 0.3715, 0.3651



## Tritanopia

31.9958, 0.4725, 0.3214

# Trichromacy



## Original Color

32.0836, 0.4577, 0.3060

## Protanomaly

30.5998, 0.3639, 0.3168

## Deuteranomaly

31.1188, 0.4029, 0.3384

## Tritanomaly

31.9044, 0.4666, 0.3152

# Monochromacy



## Original Color

32.0836, 0.4577, 0.3060

## Achromatopsia

31.3989, 0.3127, 0.3290

## Achromatomaly

30.1867, 0.3617, 0.3180

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 32.0836, 0.4577, 0.3060 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(248, 107, 130)` looks like.

```
.text, #text, p{  
    color:rgb(248, 107, 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(248, 107, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 107, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 32.0836, 0.4577, 0.3060 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(248, 107, 130) }
```

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

```
.border{ border-color:rgb(248, 107, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 107, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 107, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 107, 130);  
box-shadow:4px 4px 4px 4px rgb(248, 107,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 32.0836, 0.4577, 0.3060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 107, 130) }
```

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

```
.background{ background-color: rgb(248,  
107, 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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