

# Converting Colors

$Y_{xy}(31.0079, 0.4556, 0.3088)$

Have a look what the booklet for  
Yxy(31.0079, 0.4556, 0.3088)  
contains.

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# Color

**Yxy(30.9249, 0.4558, 0.3084)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F26B7F
RGB	242, 107, 127
RGB Percent	95%, 42%, 50%
CMY	0.0510, 0.5803, 0.5019
CMYK	0.00, 0.56, 0.48, 0.05
HSL	351°, 84%, 68%
HSV	351°, 56%, 95%
XYZ	45.7055, 30.9249, 23.6449
YIQ	149.6450, 74.0400, 34.8400

# Conversions

## Conversions Part 2

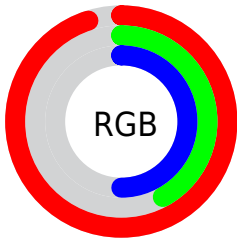
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 107, 127
Decimal	15887231
CIE Lab	62.44, 53.60, 15.03
CIE LCh	62, 55.671, 15.668
Yxy	30.9249, 0.4558, 0.3084
Android (android.graphics.Color)	4294077311 (0xFFFF26B7F)
YUV	149.6450, -11.1640, 80.9953
Hunter-Lab	55.6102, 49.3897, 13.7176

# Details

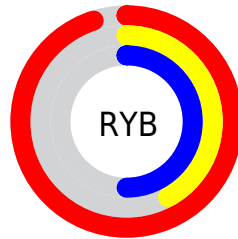
The Yxy color **30.9249, 0.4558, 0.3084** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **71.8995, 0.2510, 0.3539**, and the grayscale version is **30.3680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.3959, 0.3842, 0.3103**, and **12.7415, 0.5040, 0.2971** is the 20% darker color. If you saturate the color by 10%, you get **26.0829, 0.4981, 0.3070**, and if you desaturate by 10%, it is **37.2917, 0.4180, 0.3113**.

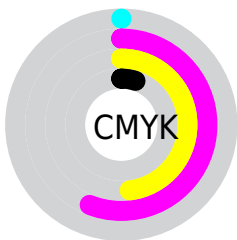
# Distribution



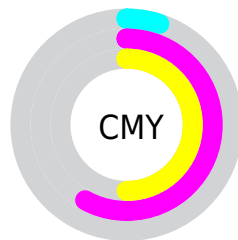
- Red (95%)
- Green (42%)
- Blue (50%)



- Red (95%)
- Yellow (42%)
- Blue (50%)



- Cyan (0%)
- Magenta (56%)
- Yellow (48%)
- Black (5%)




- Cyan (5%)
- Magenta (58%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.9249, 0.4558, 0.3084 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 30.9249, 0.4558, 0.3084 by changing the saturation by 10% instead.





 30.9249, 0.4558,  
0.3084


 30.9249, 0.4558,  
0.3084


306.1922, 0.3790,  
0.3220


 20.5417, 0.4764,  
0.3038


 61.1218, 0.4267,  
0.3142

 12.7894, 0.5037,  
0.2971

 81.7043, 0.4162,  
0.3161

 7.2837, 0.5410,  
0.2868


 106.4553, 0.4074,  
0.3177

 3.6401, 0.5944,  
0.2698

 135.7592, 0.3999,  
0.3189

 1.4744, 0.6838,  
0.2424

170.0005, 0.3936,  
0.3199

 0.2706, 0.8689,  
0.1311

209.5635, 0.3881,

 0.0000, 1.0000,

0.3207

0.0000

254.8326, 0.3832,  
0.3214

■ 0.0000, 0.0000,  
0.0000

■ 30.9249, 0.4558,  
0.3084

■ 30.9249, 0.4558,  
0.3084

■ 26.0829, 0.4981,  
0.3070

■ 37.2917, 0.4180,  
0.3113

■ 22.6328, 0.5420,  
0.3080

■ 45.2916, 0.3860,  
0.3150

■ 20.4275, 0.5822,  
0.3116

■ 55.0288, 0.3596,  
0.3191


■ 19.2838, 0.6129,  
0.3178

■ 66.5975, 0.3383,  
0.3231

■ 19.0025, 0.6226,  
0.3204

■ 80.0848, 0.3211,  
0.3269

 95.5727, 0.3072,  
0.3305

 97.6159, 0.3047,  
0.3290

# Harmonies

## Analogous

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



30.9249, 0.3762, 0.2539



30.9249, 0.4558, 0.3084



30.9249, 0.4880, 0.3703

# Triad

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



30.9249, 0.4558, 0.3084



30.9249, 0.3190, 0.4887



30.9249, 0.1741, 0.2075

# Complementary

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



30.9249, 0.4558, 0.3084



71.8995, 0.2510, 0.3539

# 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.



30.9249, 0.1638, 0.2487



30.9249, 0.4558, 0.3084



30.9249, 0.2398, 0.4250

# Square

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



30.9249, 0.4558, 0.3084



30.9249, 0.4008, 0.4834



30.9249, 0.1851, 0.3268



30.9249, 0.2146, 0.1981



# Rectangle

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



30.9249, 0.4558, 0.3084



30.9249, 0.4776, 0.4127



30.9249, 0.1851, 0.3268



30.9249, 0.1673, 0.2174

# Sweetspot

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



30.9265, 0.4558, 0.3084



73.2381, 0.3407, 0.3226



32.4176, 0.2997, 0.1892



15.0893, 0.3448, 0.3218



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.



30.9265, 0.4558, 0.3084



28.7383, 0.5043, 0.3070



43.1332, 0.4479, 0.3798



15.7970, 0.3270, 0.3255



10.2211, 0.6197, 0.3187



0.8619, 0.5880, 0.3013



# Inverse Universe

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



30.9265, 0.4558, 0.3084



28.7383, 0.5043, 0.3070



48.4548, 0.2293, 0.2675



15.7970, 0.3270, 0.3255



10.2211, 0.6197, 0.3187



0.8619, 0.5880, 0.3013



# Previews

## White Background



This preview shows how the Yxy color 30.9249, 0.4558, 0.3084 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 30.9249, 0.4558, 0.3084 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 30.9249, 0.4558, 0.3084**

## Background



This preview shows how black text looks on a background with the Yxy color 30.9249, 0.4558, 0.3084.



This preview shows how white text looks on a background with the Yxy color 30.9249, 0.4558, 0.3084.

# 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

30.9249, 0.4558, 0.3084

### Protanopia

31.2053, 0.3167, 0.3305

### Deuteranopia

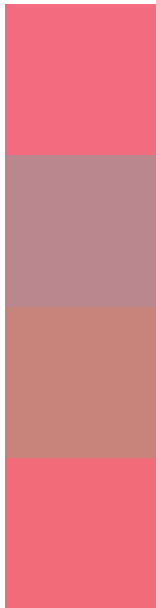
30.8614, 0.3715, 0.3642



## Tritanopia

30.8990, 0.4681, 0.3221

# Trichromacy



## Original Color

30.9249, 0.4558, 0.3084

## Protanomaly

29.7200, 0.3632, 0.3194

## Deuteranomaly

29.9420, 0.4031, 0.3399

## Tritanomaly

30.7820, 0.4635, 0.3169

# Monochromacy



## Original Color

30.9249, 0.4558, 0.3084

## Achromatopsia

30.4987, 0.3127, 0.3290

## Achromatomaly

29.0705, 0.3601, 0.3178

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.9249, 0.4558, 0.3084 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, 107, 127)` looks like.

```
.text, #text, p{  
    color:rgb(242, 107, 127)  
}
```

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, 107, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 107, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 30.9249, 0.4558, 0.3084 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, 107, 127) }
```

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

```
.border{ border-color:rgb(242, 107, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 107, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 107, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 107, 127);  
box-shadow:4px 4px 4px 4px rgb(242, 107,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.9249, 0.4558, 0.3084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 107, 127) }
```

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

```
.background{ background-color: rgb(242,  
107, 127) }
```

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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