

# Converting Colors

$Y_{xy}(30.7647, 0.4251, 0.3007)$

Have a look what the booklet for  
Yxy(30.7647, 0.4251, 0.3007)  
contains.

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# Color

**Yxy(30.8876, 0.4252, 0.3010)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7728B
RGB	231, 114, 139
RGB Percent	91%, 45%, 55%
CMY	0.0941, 0.5529, 0.4548
CMYK	0.00, 0.51, 0.40, 0.09
HSL	347°, 71%, 68%
HSV	347°, 51%, 91%
XYZ	43.6326, 30.8876, 28.0964
YIQ	151.8330, 61.7070, 32.5790

# Conversions

## Conversions Part 2

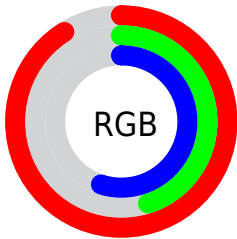
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 114, 139
Decimal	15168139
CIE Lab	62.41, 47.72, 7.87
CIE LCh	62, 48.368, 9.359
Yxy	30.8876, 0.4252, 0.3010
Android (android.graphics.Color)	4293358219 (0xFFE7728B)
YUV	151.8330, -6.3267, 69.4295
Hunter-Lab	55.5766, 42.8793, 8.9299

# Details

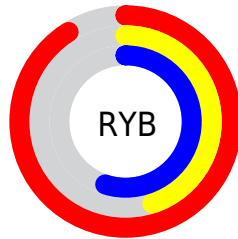
The Yxy color **30.8876, 0.4252, 0.3010** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **65.1823, 0.2587, 0.3614**, and the grayscale version is **31.3333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.4417, 0.3708, 0.3051**, and **12.8294, 0.4639, 0.2905** is the 20% darker color. If you saturate the color by 10%, you get **25.8317, 0.4619, 0.2973**, and if you desaturate by 10%, it is **37.3505, 0.3935, 0.3061**.

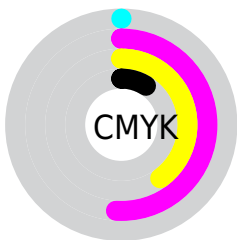
# Distribution



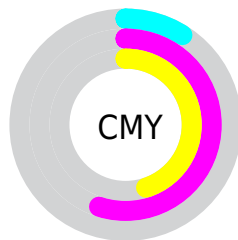
- Red (91%)
- Green (45%)
- Blue (55%)



- Red (91%)
- Yellow (45%)
- Blue (55%)



- Cyan (0%)
- Magenta (51%)
- Yellow (40%)
- Black (9%)




- Cyan (9%)
- Magenta (55%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.8876, 0.4252, 0.3010 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 30.8876, 0.4252, 0.3010 by changing the saturation by 10% instead.




 30.8876, 0.4252,  
0.3010


 30.8876, 0.4252,  
0.3010


306.0202, 0.3649,  
0.3171

 20.5133, 0.4416,  
0.2962


 61.0631, 0.4023,  
0.3074

 12.7687, 0.4633,  
0.2896


 81.6330, 0.3940,  
0.3096

 7.2695, 0.4936,  
0.2799


 106.3702, 0.3871,  
0.3115

 3.6312, 0.5380,  
0.2647

135.6592, 0.3813,  
0.3130

 1.4695, 0.6081,  
0.2384

169.8843, 0.3763,  
0.3143

 0.2671, 0.8539,  
0.1461

209.4299, 0.3720,

 0.0000, 1.0000,

0.3154

0.0000

254.6804, 0.3682,  
0.3163

■ 0.0000, 0.0000,  
0.0000

■ 30.8876, 0.4252,  
0.3010

■ 30.8876, 0.4252,  
0.3010

■ 25.8317, 0.4619,  
0.2973

■ 37.3505, 0.3935,  
0.3061

■ 22.0725, 0.5022,  
0.2961

■ 45.3101, 0.3670,  
0.3118

■ 19.4914, 0.5430,  
0.2981

■ 54.8543, 0.3453,  
0.3177

■ 17.9450, 0.5797,  
0.3039

■ 66.0628, 0.3277,  
0.3233

■ 17.2132, 0.6068,  
0.3116

■ 79.0100, 0.3135,  
0.3287

■ 93.7657, 0.3020,  
0.3336

■ 95.7281, 0.2982,  
0.3290

# Harmonies

## Analogous

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



30.8876, 0.3517, 0.2538



30.8876, 0.4252, 0.3010



30.8876, 0.4642, 0.3565

# Triad

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



30.8876, 0.4252, 0.3010



30.8876, 0.3360, 0.4702



30.8876, 0.1848, 0.2271

# Complementary

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



30.8876, 0.4252, 0.3010



65.1823, 0.2587, 0.3614

# 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.



30.8876, 0.1817, 0.2718



30.8876, 0.4252, 0.3010



30.8876, 0.2634, 0.4266

# Square

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



30.8876, 0.4252, 0.3010



30.8876, 0.4062, 0.4586



30.8876, 0.2082, 0.3458



30.8876, 0.2160, 0.2121



# Rectangle

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



30.8876, 0.4252, 0.3010



30.8876, 0.4631, 0.3945



30.8876, 0.2082, 0.3458



30.8876, 0.1806, 0.2385

# Sweetspot

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



30.8892, 0.4252, 0.3010



76.1893, 0.3351, 0.3209



30.8771, 0.2939, 0.1982



15.6762, 0.3389, 0.3197



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.



30.8892, 0.4252, 0.3010



31.9546, 0.4646, 0.2972



39.1186, 0.4358, 0.3670



14.4182, 0.3259, 0.3240



9.6653, 0.6032, 0.3096



0.7277, 0.5628, 0.2874



# Inverse Universe

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



30.8892, 0.4252, 0.3010



31.9546, 0.4646, 0.2972



49.6662, 0.2384, 0.2851



14.4182, 0.3259, 0.3240



9.6653, 0.6032, 0.3096



0.7277, 0.5628, 0.2874



# Previews

## White Background



This preview shows how the Yxy color 30.8876, 0.4252, 0.3010 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

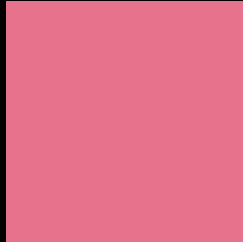
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 30.8876, 0.4252, 0.3010 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 30.8876, 0.4252, 0.3010**

## Background



This preview shows how black text looks on a background with the Yxy color 30.8876, 0.4252, 0.3010.



This preview shows how white text looks on a background with the Yxy color 30.8876, 0.4252, 0.3010.

# 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

30.8876, 0.4252, 0.3010

### Protanopia

30.9913, 0.3063, 0.3153

### Deuteranopia

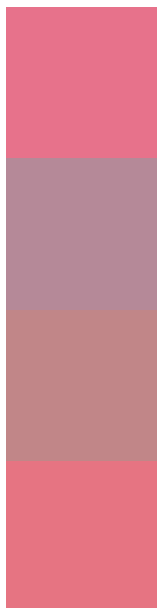
31.0497, 0.3529, 0.3468



## Tritanopia

31.0262, 0.4408, 0.3203

# Trichromacy



## Original Color

30.8876, 0.4252, 0.3010

## Protanomaly

29.9821, 0.3458, 0.3079

## Deuteranomaly

30.1652, 0.3784, 0.3265

## Tritanomaly

30.9255, 0.4349, 0.3135

# Monochromacy



## Original Color

30.8876, 0.4252, 0.3010

## Achromatopsia

31.3989, 0.3127, 0.3290

## Achromatomaly

30.1073, 0.3511, 0.3163

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.8876, 0.4252, 0.3010 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(231, 114, 139)` looks like.

```
.text, #text, p{  
    color:rgb(231, 114, 139)  
}
```

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(231, 114, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 114, 139) }
```

## Border

The CSS property to change the border of an element to Yxy 30.8876, 0.4252, 0.3010 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(231, 114, 139) }
```

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

```
.border{ border-color:rgb(231, 114, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 114, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 114, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 114, 139); box-shadow:4px 4px 4px 4px rgb(231, 114, 139) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.8876, 0.4252, 0.3010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 114, 139) }
```

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

```
.background{ background-color: rgb(231,  
114, 139) }
```

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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