

# Converting Colors

$Y_{xy}(30.8988, 0.4362, 0.3146)$

Have a look what the booklet for  
Yxy(30.8988, 0.4362, 0.3146)  
contains.

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# Color

**Yxy(30.8988, 0.4362, 0.3146)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E67481
RGB	230, 116, 129
RGB Percent	90%, 45%, 51%
CMY	0.0980, 0.5451, 0.4941
CMYK	0.00, 0.50, 0.44, 0.10
HSL	353°, 70%, 68%
HSV	353°, 50%, 90%
XYZ	42.8419, 30.8988, 24.4755
YIQ	151.5680, 63.7710, 28.2110

# Conversions

## Conversions Part 2

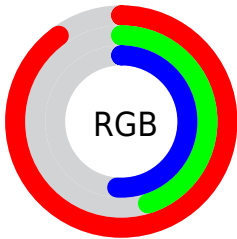
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	230, 116, 129
Decimal	15103105
CIE Lab	62.42, 45.34, 13.60
CIE LCh	62, 47.337, 16.703
Yxy	30.8988, 0.4362, 0.3146
Android (android.graphics.Color)	4293293185 (0xFFE67481)
YUV	151.5680, -11.1260, 68.7849
Hunter-Lab	55.5867, 40.2972, 12.8046

# Details

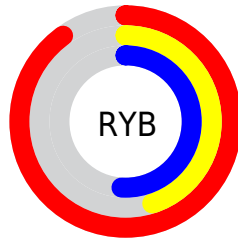
The Yxy color **30.8988, 0.4362, 0.3146** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **65.3188, 0.2540, 0.3455**, and the grayscale version is **31.2330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.3868, 0.3799, 0.3166**, and **12.7921, 0.4788, 0.3059** is the 20% darker color. If you saturate the color by 10%, you get **25.7490, 0.4774, 0.3129**, and if you desaturate by 10%, it is **37.4723, 0.4006, 0.3172**.

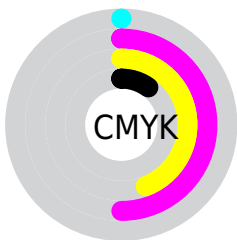
# Distribution



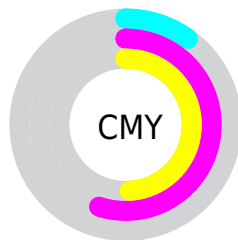
- Red (90%)
- Green (45%)
- Blue (51%)



- Red (90%)
- Yellow (45%)
- Blue (51%)



- Cyan (0%)
- Magenta (50%)
- Yellow (44%)
- Black (10%)




- Cyan (10%)
- Magenta (55%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.8988, 0.4362, 0.3146 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 30.8988, 0.4362, 0.3146 by changing the saturation by 10% instead.



 30.8988, 0.4362,  
0.3146

 30.8988, 0.4362,  
0.3146

306.0718, 0.3698,  
0.3244


 20.5218, 0.4542,  
0.3112


 61.0807, 0.4110,  
0.3188

 12.7749, 0.4782,  
0.3061


 81.6544, 0.4018,  
0.3202

 7.2737, 0.5113,  
0.2983


 106.3958, 0.3942,  
0.3213

 3.6339, 0.5595,  
0.2848

135.6893, 0.3878,  
0.3222

 1.4709, 0.6406,  
0.2621

169.9192, 0.3823,  
0.3229

 0.2681, 0.8463,  
0.1537

209.4700, 0.3776,

 0.0000, 1.0000,

0.3235

0.0000


254.7261, 0.3734,  
0.3240


 0.0000, 0.0000,  
0.0000


 30.8988, 0.4362,  
0.3146


 30.8988, 0.4362,  
0.3146


 25.7490, 0.4774,  
0.3129


 37.4723, 0.4006,  
0.3172


 21.9130, 0.5221,  
0.3126


 45.5591, 0.3710,  
0.3202

 19.2726, 0.5659,  
0.3144


 55.2474, 0.3470,  
0.3233


 17.6862, 0.6027,  
0.3183

 66.6169, 0.3276,  
0.3263

 16.9250, 0.6274,  
0.3233

 79.7422, 0.3121,  
0.3291

 16.8991, 0.6283,  
0.3235

 94.6933, 0.2996,  
0.3317

 95.5635, 0.2976,  
0.3290

# Harmonies

## Analogous

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



30.8988, 0.3701, 0.2654



30.8988, 0.4362, 0.3146



30.8988, 0.4632, 0.3701

# Triad

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



30.8988, 0.4362, 0.3146



30.8988, 0.3178, 0.4616



30.8988, 0.1921, 0.2229

# Complementary

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



30.8988, 0.4362, 0.3146



65.3188, 0.2540, 0.3455

# 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.



30.8988, 0.1822, 0.2595



30.8988, 0.4362, 0.3146



30.8988, 0.2491, 0.4067

# Square

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



30.8988, 0.4362, 0.3146



30.8988, 0.3890, 0.4630



30.8988, 0.2011, 0.3259



30.8988, 0.2295, 0.2145



# Rectangle

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



30.8988, 0.4362, 0.3146



30.8988, 0.4547, 0.4069



30.8988, 0.2011, 0.3259



30.8988, 0.1857, 0.2318

# Sweetspot

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



30.9004, 0.4362, 0.3146



75.9833, 0.3378, 0.3247



32.9115, 0.3055, 0.2049



15.6273, 0.3420, 0.3240



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.



30.9004, 0.4362, 0.3146



32.6695, 0.4764, 0.3129



43.1237, 0.4247, 0.3792



14.3946, 0.3275, 0.3263



9.5760, 0.6259, 0.3221



0.7166, 0.5957, 0.3055



# Inverse Universe

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



30.9004, 0.4362, 0.3146



32.6695, 0.4764, 0.3129



44.6726, 0.2367, 0.2704



14.3946, 0.3275, 0.3263



9.5760, 0.6259, 0.3221



0.7166, 0.5957, 0.3055



# Previews

## White Background



This preview shows how the Yxy color 30.8988, 0.4362, 0.3146 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 30.8988, 0.4362, 0.3146 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 30.8988, 0.4362, 0.3146**

## Background



This preview shows how black text looks on a background with the Yxy color 30.8988, 0.4362, 0.3146.



This preview shows how white text looks on a background with the Yxy color 30.8988, 0.4362, 0.3146.

# 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

30.8988, 0.4362, 0.3146

### Protanopia

31.2084, 0.3206, 0.3352

### Deuteranopia

30.8200, 0.3672, 0.3599



## Tritanopia

31.0262, 0.4408, 0.3203

# Trichromacy



## Original Color

30.8988, 0.4362, 0.3146

## Protanomaly

30.0155, 0.3600, 0.3263

## Deuteranomaly

30.1587, 0.3924, 0.3401

## Tritanomaly

31.0519, 0.4395, 0.3192

# Monochromacy



## Original Color

30.8988, 0.4362, 0.3146

## Achromatopsia

31.3989, 0.3127, 0.3290

## Achromatomaly

30.1822, 0.3530, 0.3220

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.8988, 0.4362, 0.3146 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(230, 116, 129)` looks like.

```
.text, #text, p{  
    color:rgb(230, 116, 129)  
}
```

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(230, 116, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 116, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 30.8988, 0.4362, 0.3146 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(230, 116, 129) }
```

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

```
.border{ border-color:rgb(230, 116, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 116, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 116, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 116, 129);  
box-shadow:4px 4px 4px 4px rgb(230, 116,  
129) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.8988, 0.4362, 0.3146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 116, 129) }
```

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

```
.background{ background-color: rgb(230,  
116, 129) }
```

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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