

# Converting Colors

$Y_{xy}(62.3535, 0.3236, 0.3117)$

Have a look what the booklet for  
Yxy(62.3535, 0.3236, 0.3117)  
contains.

<b>Yxy(62.2471, 0.3237, 0.3115)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(62.2471, 0.3237, 0.3115)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4C7D7
RGB	228, 199, 215
RGB Percent	89%, 78%, 84%
CMY	0.1059, 0.2196, 0.1568
CMYK	0.00, 0.13, 0.06, 0.11
HSL	327°, 35%, 84%
HSV	327°, 13%, 89%
XYZ	64.6850, 62.2471, 72.8980
YIQ	209.4950, 12.1480, 11.1240

# Conversions

## Conversions Part 2

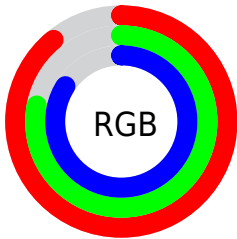
Format	Color
R <sub>Y</sub> B	228, 199, 215
Decimal	14993367
CIE Lab	83.04, 12.89, -4.20
CIE LCh	83, 13.553, 341.959
Yxy	62.2471, 0.3237, 0.3115
Android (android.graphics.Color)	4293183447 (0xFFE4C7D7)
YUV	209.4950, 2.7140, 16.2289
Hunter-Lab	78.8968, 8.2771, 0.4458

# Details

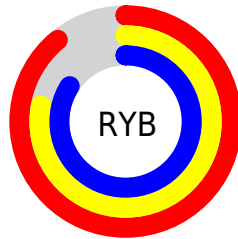
The Yxy color  $62.2471, 0.3237, 0.3115$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $72.3851, 0.3030, 0.3472$ , and the grayscale version is  $64.0785, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $31.5595, 0.3263, 0.3075$  is the 20% darker color. If you saturate the color by 10%, you get  $52.0226, 0.3343, 0.2970$ , and if you desaturate by 10%, it is  $74.0818, 0.3149, 0.3254$ .

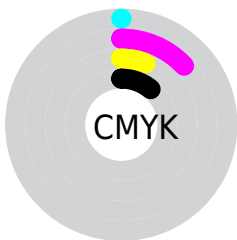
# Distribution



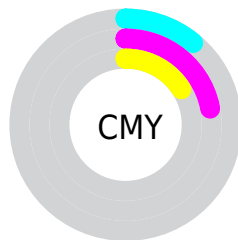
- Red (89%)
- Green (78%)
- Blue (84%)



- Red (89%)
- Yellow (78%)
- Blue (84%)



- Cyan (0%)
- Magenta (13%)
- Yellow (6%)
- Black (11%)




- Cyan (11%)
- Magenta (22%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.2471, 0.3237, 0.3115 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 62.2471, 0.3237, 0.3115 by changing the saturation by 10% instead.




 62.2471, 0.3237,  
0.3115

 62.2471, 0.3237,  
0.3115


432.8319, 0.3185,  
0.3197

 45.2324, 0.3249,  
0.3096


108.0826, 0.3219,  
0.3144

 31.6405, 0.3264,  
0.3072


137.6721, 0.3212,  
0.3155

 21.0871, 0.3283,  
0.3042


172.2221, 0.3206,  
0.3164

 13.1877, 0.3309,  
0.3002

212.1169, 0.3201,  
0.3173

 7.5579, 0.3344,  
0.2946

257.7408, 0.3196,  
0.3180

 3.8134, 0.3397,  
0.2864

309.4784, 0.3192,

 1.5697, 0.3483,

0.3186

0.2731

367.7139, 0.3189,  
0.3192

0.3371, 0.3890,  
0.2065

0.0000, 0.0000,  
0.0000

62.2471, 0.3237,  
0.3115

62.2471, 0.3237,  
0.3115

52.0226, 0.3343,  
0.2970

74.0818, 0.3149,  
0.3254

43.3298, 0.3469,  
0.2823

87.5844, 0.3075,  
0.3384

36.0959, 0.3617,  
0.2678

94.6479, 0.3015,  
0.3384

30.2390, 0.3787,  
0.2545

95.2346, 0.2964,  
0.3290

■ 25.6688, 0.3978,  
0.2435

■ 22.2844, 0.4185,  
0.2359

■ 19.9694, 0.4401,  
0.2329

■ 18.5835, 0.4615,  
0.2353

■ 17.9959, 0.4766,  
0.2399

# Harmonies

## Analogous

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



62.2471, 0.3062, 0.3025



62.2471, 0.3237, 0.3115



62.2471, 0.3385, 0.3249

# Triad

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



62.2471, 0.3237, 0.3115



62.2471, 0.3344, 0.3589



62.2471, 0.2803, 0.3168

# Complementary

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



62.2471, 0.3237, 0.3115



72.3851, 0.3030, 0.3472

# 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.



62.2471, 0.2874, 0.3324



62.2471, 0.3237, 0.3115



62.2471, 0.3185, 0.3573

# Square

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



62.2471, 0.3237, 0.3115



62.2471, 0.3447, 0.3522



62.2471, 0.3013, 0.3475



62.2471, 0.2816, 0.3051



# Rectangle

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



62.2471, 0.3237, 0.3115



62.2471, 0.3447, 0.3348



62.2471, 0.3013, 0.3475



62.2471, 0.2818, 0.3218

# Sweetspot

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



62.2498, 0.3237, 0.3115



93.3729, 0.3159, 0.3236



60.3836, 0.3018, 0.2965



19.7272, 0.3165, 0.3226



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.



62.2498, 0.3237, 0.3115



76.9214, 0.3260, 0.3081



61.5574, 0.3343, 0.3269



14.5004, 0.3206, 0.3161



10.4154, 0.4736, 0.2383



0.7883, 0.4452, 0.2226



# Inverse Universe

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



62.2498, 0.3237, 0.3115



76.9214, 0.3260, 0.3081



73.1264, 0.2945, 0.3311



14.5004, 0.3206, 0.3161



10.4154, 0.4736, 0.2383



0.7883, 0.4452, 0.2226



# Previews

## White Background



This preview shows how the Yxy color 62.2471, 0.3237, 0.3115 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

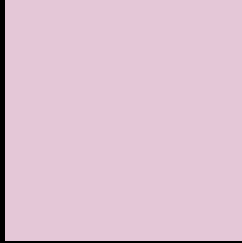
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.2471, 0.3237, 0.3115 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

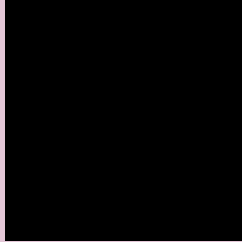
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.2471, 0.3237, 0.3115**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.2471, 0.3237, 0.3115.



This preview shows how white text looks on a background with the Yxy color 62.2471, 0.3237, 0.3115.

# 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

62.2471, 0.3237, 0.3115

### Protanopia

62.5225, 0.3045, 0.3142

### Deuteranopia

62.3676, 0.3196, 0.3135



## Tritanopia

62.2471, 0.3237, 0.3115

# Trichromacy



## Original Color

62.2471, 0.3237, 0.3115

## Protanomaly

62.2209, 0.3112, 0.3122

## Deuteranomaly

62.2224, 0.3213, 0.3125

## Tritanomaly

62.2471, 0.3237, 0.3115

# Monochromacy



## Original Color

62.2471, 0.3237, 0.3115

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

62.9647, 0.3168, 0.3222

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.2471, 0.3237, 0.3115 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(228, 199, 215)` looks like.

```
.text, #text, p{  
    color:rgb(228, 199, 215)  
}
```

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(228, 199, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 199, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 62.2471, 0.3237, 0.3115 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(228, 199, 215) }
```

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

```
.border{ border-color:rgb(228, 199, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 199, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 199, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 199, 215);  
box-shadow:4px 4px 4px 4px rgb(228, 199,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.2471, 0.3237, 0.3115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 199, 215) }
```

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

```
.background{ background-color: rgb(228,  
199, 215) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor