

# Converting Colors

$Yxy(62.4800, 0.3219, 0.3117)$

Have a look what the booklet for  
Yxy(62.4800, 0.3219, 0.3117)  
contains.

<b>Yxy(62.5973, 0.3221, 0.3115)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(62.5973, 0.3221, 0.3115)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E3C8D8
RGB	227, 200, 216
RGB Percent	89%, 78%, 85%
CMY	0.1098, 0.2157, 0.1530
CMYK	0.00, 0.12, 0.05, 0.11
HSL	324°, 33%, 84%
HSV	324°, 12%, 89%
XYZ	64.7274, 62.5973, 73.6297
YIQ	209.8970, 10.9560, 10.7000

# Conversions

## Conversions Part 2

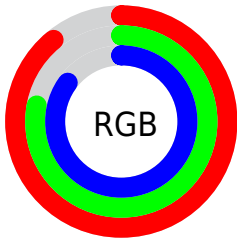
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	227, 200, 216
Decimal	14928088
CIE <sub>Lab</sub>	83.23, 12.18, -4.46
CIE <sub>LCh</sub>	83, 12.975, 339.890
Yxy	62.5973, 0.3221, 0.3115
Android (android.graphics.Color)	4293118168 (0xFFE3C8D8)
YUV	209.8970, 3.0088, 14.9993
Hunter-Lab	79.1185, 7.5749, 0.2061

# Details

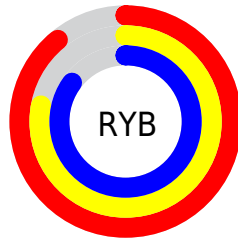
The Yxy color **62.5973, 0.3221, 0.3115** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.9254, 0.3043, 0.3472**, and the grayscale version is **64.3538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **31.9016, 0.3251, 0.3076** is the 20% darker color. If you saturate the color by 10%, you get **52.3883, 0.3317, 0.2960**, and if you desaturate by 10%, it is **74.3999, 0.3141, 0.3263**.

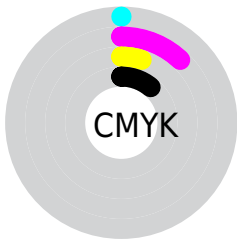
# Distribution



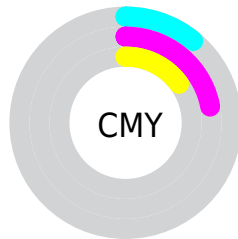
- Red (89%)
- Green (78%)
- Blue (85%)



- Red (89%)
- Yellow (78%)
- Blue (85%)



- Cyan (0%)
- Magenta (12%)
- Yellow (5%)
- Black (11%)




- Cyan (11%)
- Magenta (22%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.5973, 0.3221, 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 62.5973, 0.3221, 0.3115 by changing the saturation by 10% instead.




 62.5973, 0.3221,  
0.3115

 62.5973, 0.3221,  
0.3115

434.1065, 0.3177,  
0.3197

 45.5155, 0.3231,  
0.3096


108.5883, 0.3206,  
0.3144

 31.8637, 0.3244,  
0.3072


138.2664, 0.3200,  
0.3155

 21.2574, 0.3260,  
0.3042


172.9119, 0.3195,  
0.3164

 13.3123, 0.3282,  
0.3002

212.9094, 0.3190,  
0.3173

 7.6439, 0.3312,  
0.2947

258.6432, 0.3186,  
0.3180

 3.8680, 0.3356,  
0.2865

310.4977, 0.3183,

 1.6000, 0.3427,

0.3186

0.2734

368.8574, 0.3180,  
0.3192

0.3576, 0.3757,  
0.2108

0.0000, 0.0000,  
0.0000

62.5973, 0.3221,  
0.3115

62.5973, 0.3221,  
0.3115

52.3883, 0.3317,  
0.2960

74.3999, 0.3141,  
0.3263

43.6956, 0.3430,  
0.2803

87.8525, 0.3074,  
0.3402

36.4480, 0.3562,  
0.2649

94.3696, 0.3020,  
0.3403

30.5650, 0.3713,  
0.2505

94.9457, 0.2969,  
0.3309

■ 25.9584, 0.3882,  
0.2384

■ 95.0718, 0.2958,  
0.3290

■ 22.5293, 0.4065,  
0.2296

■ 20.1645, 0.4255,  
0.2254

■ 18.7277, 0.4445,  
0.2264

■ 18.0642, 0.4595,  
0.2305

# Harmonies

## Analogous

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



62.5973, 0.3054, 0.3033



62.5973, 0.3221, 0.3115



62.5973, 0.3365, 0.3241

# Triad

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



62.5973, 0.3221, 0.3115



62.5973, 0.3344, 0.3574



62.5973, 0.2819, 0.3184

# Complementary

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



62.5973, 0.3221, 0.3115



71.9254, 0.3043, 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.



62.5973, 0.2893, 0.3334



62.5973, 0.3221, 0.3115



62.5973, 0.3194, 0.3564

# Square

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



62.5973, 0.3221, 0.3115



62.5973, 0.3437, 0.3505



62.5973, 0.3029, 0.3475



62.5973, 0.2826, 0.3068



# Rectangle

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



62.5973, 0.3221, 0.3115



62.5973, 0.3428, 0.3336



62.5973, 0.3029, 0.3475



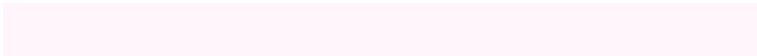
62.5973, 0.2836, 0.3232

# Sweetspot

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



62.6000, 0.3221, 0.3115



93.3988, 0.3157, 0.3232



60.6773, 0.3019, 0.2987



19.7338, 0.3162, 0.3221



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.



62.6000, 0.3221, 0.3115



78.3970, 0.3241, 0.3082



61.9404, 0.3321, 0.3261



14.5105, 0.3200, 0.3152



10.5583, 0.4569, 0.2291



0.7985, 0.4316, 0.2151



# Inverse Universe

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



62.6000, 0.3221, 0.3115



78.3970, 0.3241, 0.3082



72.6196, 0.2962, 0.3320



14.5105, 0.3200, 0.3152



10.5583, 0.4569, 0.2291



0.7985, 0.4316, 0.2151



# Previews

## White Background



This preview shows how the Yxy color 62.5973, 0.3221, 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 62.5973, 0.3221, 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 62.5973, 0.3221, 0.3115**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.5973, 0.3221, 0.3115.



This preview shows how white text looks on a background with the Yxy color 62.5973, 0.3221, 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

62.5973, 0.3221, 0.3115

### Protanopia

62.7198, 0.3045, 0.3131

### Deuteranopia

62.5784, 0.3197, 0.3125



## Tritanopia

62.5973, 0.3221, 0.3115

# Trichromacy



## Original Color

62.5973, 0.3221, 0.3115

## Protanomaly

62.7473, 0.3105, 0.3122

## Deuteranomaly

62.7387, 0.3205, 0.3125

## Tritanomaly

62.5973, 0.3221, 0.3115

# Monochromacy



## Original Color

62.5973, 0.3221, 0.3115

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

63.4950, 0.3161, 0.3223

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.5973, 0.3221, 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(227, 200, 216)` looks like.

```
.text, #text, p{  
    color:rgb(227, 200, 216)  
}
```

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(227, 200, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 200, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 62.5973, 0.3221, 0.3115 is called "border". The border property can be set on classes, ids or directly on the HTML element.

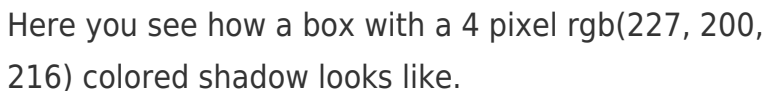
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 200, 216) }
```

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

```
.border{ border-color:rgb(227, 200, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(227, 200, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 200, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 200, 216); box-shadow:4px 4px 4px 4px rgb(227, 200, 216) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.5973, 0.3221, 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(227, 200, 216) }
```

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

```
.background{ background-color: rgb(227,  
200, 216) }
```

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