

# Converting Colors

$Y_{xy}(44.1733, 0.3650, 0.3168)$

Have a look what the booklet for  
Yxy(44.1733, 0.3650, 0.3168)  
contains.

<b>Yxy(43.9292, 0.3647, 0.3162)</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(43.9292, 0.3647, 0.3162)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0A0AB
RGB	224, 160, 171
RGB Percent	88%, 63%, 67%
CMY	0.1215, 0.3726, 0.3294
CMYK	0.00, 0.29, 0.24, 0.12
HSL	350°, 51%, 75%
HSV	350°, 29%, 88%
XYZ	50.6672, 43.9292, 44.3321
YIQ	180.3900, 34.6130, 16.9890

# Conversions

## Conversions Part 2

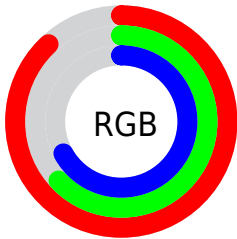
Format	Color
R <sub>Y</sub> B	224, 160, 171
Decimal	14721195
CIE Lab	72.18, 25.32, 3.80
CIE LCh	72, 25.607, 8.538
Yxy	43.9292, 0.3647, 0.3162
Android (android.graphics.Color)	4292911275 (0xFFE0A0AB)
YUV	180.3900, -4.6293, 38.2460
Hunter-Lab	66.2791, 20.4663, 6.7381

# Details

The Yxy color **43.9292, 0.3647, 0.3162** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **65.6041, 0.2775, 0.3424**, and the grayscale version is **45.8751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3519, 0.3346, 0.3180**, and **20.3819, 0.3804, 0.3121** is the 20% darker color. If you saturate the color by 10%, you get **36.1930, 0.3916, 0.3116**, and if you desaturate by 10%, it is **53.1683, 0.3428, 0.3209**.

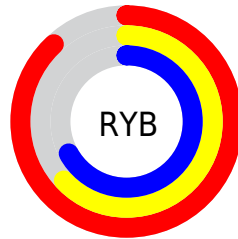
# Distribution



Red (88%)

Green (63%)

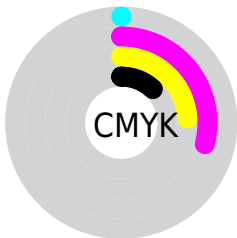
Blue (67%)



Red (88%)

Yellow (63%)

Blue (67%)

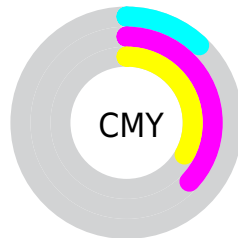


Cyan (0%)

Magenta (29%)

Yellow (24%)

Black (12%)



Cyan (12%)

Magenta (37%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.9292, 0.3647, 0.3162 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 43.9292, 0.3647, 0.3162 by changing the saturation by 10% instead.




 43.9292, 0.3647,  
0.3162

 43.9292, 0.3647,  
0.3162


362.4193, 0.3383,  
0.3229

 30.6149, 0.3714,  
0.3144


 81.1112, 0.3550,  
0.3187

 20.3057, 0.3801,  
0.3121


 105.7476, 0.3514,  
0.3197

 12.6175, 0.3917,  
0.3088

134.9269, 0.3484,  
0.3204

 7.1657, 0.4082,  
0.3041

169.0334, 0.3458,  
0.3211

 3.5659, 0.4332,  
0.2966

208.4514, 0.3435,  
0.3216

 1.4338, 0.4752,  
0.2833

253.5655, 0.3416,

 0.2415, 0.7783,

0.3221

0.2217

304.7600, 0.3399,  
0.3226

0.0000, 0.0000,  
0.0000

43.9292, 0.3647,  
0.3162

43.9292, 0.3647,  
0.3162

36.1930, 0.3916,  
0.3116

53.1683, 0.3428,  
0.3209

29.8742, 0.4239,  
0.3074

63.9776, 0.3251,  
0.3254

24.8882, 0.4617,  
0.3043

76.4277, 0.3109,  
0.3296

21.1389, 0.5035,  
0.3031

90.5832, 0.2994,  
0.3334

18.5171, 0.5460,  
0.3047

94.5915, 0.2941,  
0.3289

■ 16.8945, 0.5844,  
0.3093

■ 16.0813, 0.6135,  
0.3163

■ 15.9945, 0.6169,  
0.3172

# Harmonies

## Analogous

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



43.9292, 0.3313, 0.2904



43.9292, 0.3647, 0.3162



43.9292, 0.3837, 0.3461

# Triad

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



43.9292, 0.3647, 0.3162



43.9292, 0.3279, 0.3924



43.9292, 0.2472, 0.2803

# Complementary

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



43.9292, 0.3647, 0.3162



65.6041, 0.2775, 0.3424

# 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.



43.9292, 0.2466, 0.3052



43.9292, 0.3647, 0.3162



43.9292, 0.2918, 0.3728

# Square

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



43.9292, 0.3647, 0.3162



43.9292, 0.3613, 0.3918



43.9292, 0.2624, 0.3395



43.9292, 0.2641, 0.2697



# Rectangle

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



43.9292, 0.3647, 0.3162



43.9292, 0.3851, 0.3652



43.9292, 0.2624, 0.3395



43.9292, 0.2451, 0.2872

# Sweetspot

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



43.9313, 0.3647, 0.3162



85.0570, 0.3259, 0.3252



44.5628, 0.3058, 0.2559



17.7253, 0.3283, 0.3245



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.



43.9313, 0.3647, 0.3162



52.8030, 0.3793, 0.3136



51.1416, 0.3690, 0.3529



13.7388, 0.3265, 0.3250



9.3191, 0.6138, 0.3155



0.6576, 0.5736, 0.2934



# Inverse Universe

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



43.9313, 0.3647, 0.3162



52.8030, 0.3793, 0.3136



55.9231, 0.2688, 0.3037



13.7388, 0.3265, 0.3250



9.3191, 0.6138, 0.3155

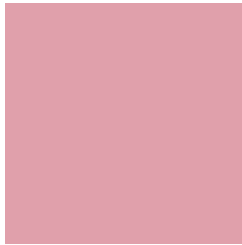


0.6576, 0.5736, 0.2934



# Previews

## White Background



This preview shows how the Yxy color 43.9292, 0.3647, 0.3162 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 43.9292, 0.3647, 0.3162 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

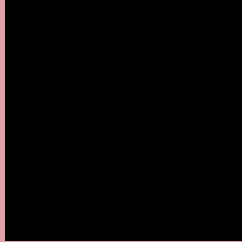
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.9292, 0.3647, 0.3162**

## Background



This preview shows how black text looks on a background with the Yxy color 43.9292, 0.3647, 0.3162.



This preview shows how white text looks on a background with the Yxy color 43.9292, 0.3647, 0.3162.

# 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

43.9292, 0.3647, 0.3162

### Protanopia

44.0493, 0.3130, 0.3237

### Deuteranopia

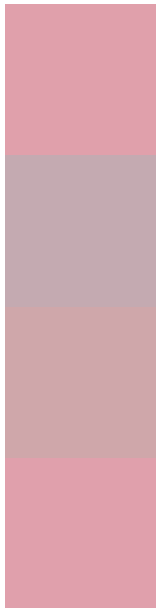
43.9962, 0.3393, 0.3316



## Tritanopia

43.9675, 0.3637, 0.3150

# Trichromacy



## Original Color

43.9292, 0.3647, 0.3162

## Protanomaly

43.6595, 0.3305, 0.3201

## Deuteranomaly

43.8051, 0.3477, 0.3254

## Tritanomaly

43.9675, 0.3637, 0.3150

# Monochromacy



## Original Color

43.9292, 0.3647, 0.3162

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

44.7972, 0.3301, 0.3240

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.9292, 0.3647, 0.3162 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(224, 160, 171)` looks like.

```
.text, #text, p{  
    color:rgb(224, 160, 171)  
}
```

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(224, 160, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 160, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 43.9292, 0.3647, 0.3162 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(224, 160, 171) }
```

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

```
.border{ border-color:rgb(224, 160, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 160, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 160, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 160, 171);  
box-shadow:4px 4px 4px 4px rgb(224, 160,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.9292, 0.3647, 0.3162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 160, 171) }
```

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

```
.background{ background-color: rgb(224,  
160, 171) }
```

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