

# Converting Colors

$Yxy(42.5716, 0.3623, 0.3148)$

Have a look what the booklet for  
Yxy(42.5716, 0.3623, 0.3148)  
contains.

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# Color

**Yxy(42.5716, 0.3623, 0.3148)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DC9EAA
RGB	220, 158, 170
RGB Percent	86%, 62%, 67%
CMY	0.1373, 0.3804, 0.3333
CMYK	0.00, 0.28, 0.23, 0.14
HSL	348°, 47%, 74%
HSV	348°, 28%, 86%
XYZ	48.9952, 42.5716, 43.6670
YIQ	177.9060, 33.1000, 16.8760

# Conversions

## Conversions Part 2

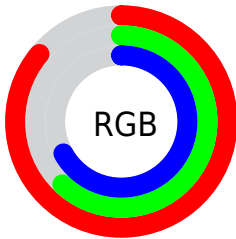
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	220, 158, 170
Decimal	14458538
CIE Lab	71.26, 24.77, 2.96
CIE LCh	71, 24.947, 6.824
Yxy	42.5716, 0.3623, 0.3148
Android (android.graphics.Color)	4292648618 (0xFFDC9EAA)
YUV	177.9060, -3.8977, 36.9164
Hunter-Lab	65.2469, 19.8571, 5.9926

# Details

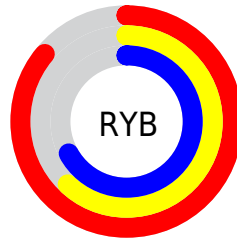
The Yxy color **42.5716, 0.3623, 0.3148** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **63.0040, 0.2788, 0.3439**, and the grayscale version is **44.4774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.2847, 0.3355, 0.3170**, and **19.5086, 0.3773, 0.3102** is the 20% darker color. If you saturate the color by 10%, you get **35.1011, 0.3881, 0.3096**, and if you desaturate by 10%, it is **51.4800, 0.3412, 0.3201**.

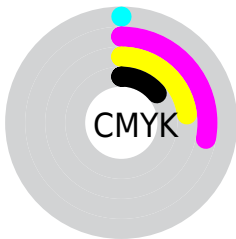
# Distribution



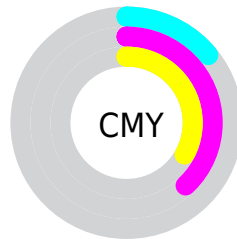
- Red (86%)
- Green (62%)
- Blue (67%)



- Red (86%)
- Yellow (62%)
- Blue (67%)



- Cyan (0%)
- Magenta (28%)
- Yellow (23%)
- Black (14%)




- Cyan (14%)
- Magenta (38%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.5716, 0.3623, 0.3148 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 42.5716, 0.3623, 0.3148 by changing the saturation by 10% instead.




 42.5716, 0.3623,  
0.3148

 42.5716, 0.3623,  
0.3148

356.8470, 0.3370,  
0.3222

 29.5491, 0.3688,  
0.3128


 79.0640, 0.3530,  
0.3176

 19.4966, 0.3771,  
0.3103


 103.3027, 0.3496,  
0.3186

 12.0297, 0.3884,  
0.3068


132.0489, 0.3466,  
0.3194

 6.7639, 0.4045,  
0.3016

165.6871, 0.3442,  
0.3202

 3.3149, 0.4290,  
0.2936

204.6016, 0.3420,  
0.3208

 1.2982, 0.4709,  
0.2791

249.1768, 0.3401,

 0.1398, 0.8406,

0.3213

0.1594

299.7972, 0.3385,  
0.3218

0.0000, 0.0000,  
0.0000

42.5716, 0.3623,  
0.3148

42.5716, 0.3623,  
0.3148

35.1011, 0.3881,  
0.3096

51.4800, 0.3412,  
0.3201

28.9872, 0.4193,  
0.3048

61.8901, 0.3242,  
0.3251

24.1497, 0.4557,  
0.3012

73.8689, 0.3104,  
0.3298

20.4976, 0.4962,  
0.2995

87.4779, 0.2993,  
0.3342

17.9276, 0.5380,  
0.3008

93.9537, 0.2917,  
0.3289

■ 16.3185, 0.5764,  
0.3055

■ 15.4968, 0.6068,  
0.3130

■ 15.3851, 0.6115,  
0.3142

# Harmonies

## Analogous

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



42.5716, 0.3289, 0.2897



42.5716, 0.3623, 0.3148



42.5716, 0.3821, 0.3442

# Triad

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



42.5716, 0.3623, 0.3148



42.5716, 0.3298, 0.3919



42.5716, 0.2477, 0.2821

# Complementary

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



42.5716, 0.3623, 0.3148



63.0040, 0.2788, 0.3439

# 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.



42.5716, 0.2480, 0.3073



42.5716, 0.3623, 0.3148



42.5716, 0.2941, 0.3737

# Square

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



42.5716, 0.3623, 0.3148



42.5716, 0.3622, 0.3902



42.5716, 0.2645, 0.3414



42.5716, 0.2635, 0.2708



# Rectangle

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



42.5716, 0.3623, 0.3148



42.5716, 0.3842, 0.3632



42.5716, 0.2645, 0.3414



42.5716, 0.2460, 0.2891

# Sweetspot

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



42.5736, 0.3623, 0.3148



86.6532, 0.3240, 0.3252



42.9749, 0.3051, 0.2568



18.0445, 0.3264, 0.3244



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.



42.5736, 0.3623, 0.3148



52.8823, 0.3775, 0.3116



48.9707, 0.3682, 0.3513



13.0925, 0.3261, 0.3245



9.0429, 0.6082, 0.3124



0.5980, 0.5636, 0.2878



# Inverse Universe

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



42.5736, 0.3623, 0.3148



52.8823, 0.3775, 0.3116



54.3944, 0.2696, 0.3055



13.0925, 0.3261, 0.3245



9.0429, 0.6082, 0.3124



0.5980, 0.5636, 0.2878



# Previews

## White Background



This preview shows how the Yxy color 42.5716, 0.3623, 0.3148 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

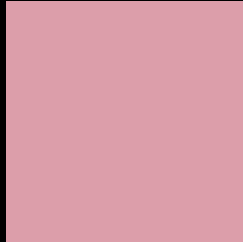
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.5716, 0.3623, 0.3148 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 42.5716, 0.3623, 0.3148**

## Background



This preview shows how black text looks on a background with the Yxy color 42.5716, 0.3623, 0.3148.



This preview shows how white text looks on a background with the Yxy color 42.5716, 0.3623, 0.3148.

# 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

42.5716, 0.3623, 0.3148

### Protanopia

42.8739, 0.3113, 0.3223

### Deuteranopia

42.6724, 0.3368, 0.3304



## Tritanopia

42.5716, 0.3623, 0.3148

# Trichromacy



## Original Color

42.5716, 0.3623, 0.3148

## Protanomaly

42.4773, 0.3289, 0.3187

## Deuteranomaly

42.4713, 0.3452, 0.3240

## Tritanomaly

42.5716, 0.3623, 0.3148

# Monochromacy



## Original Color

42.5716, 0.3623, 0.3148

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

43.5584, 0.3294, 0.3239

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.5716, 0.3623, 0.3148 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(220, 158, 170)` looks like.

```
.text, #text, p{  
    color:rgb(220, 158, 170)  
}
```

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(220, 158, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 158, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 42.5716, 0.3623, 0.3148 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(220, 158, 170) }
```

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

```
.border{ border-color:rgb(220, 158, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 158, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 158, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 158, 170);  
box-shadow:4px 4px 4px 4px rgb(220, 158,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.5716, 0.3623, 0.3148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 158, 170) }
```

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

```
.background{ background-color: rgb(220,  
158, 170) }
```

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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