

# Converting Colors

Yxy(52.1414, 0.3345, 0.2839)

Have a look what the booklet for  
Yxy(52.1414, 0.3345, 0.2839)  
contains.

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# Color

**Yxy(52.1420, 0.3348, 0.2845)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECACD5
RGB	236, 172, 213
RGB Percent	93%, 67%, 84%
CMY	0.0744, 0.3255, 0.1647
CMYK	0.00, 0.27, 0.10, 0.07
HSL	322°, 63%, 80%
HSV	322°, 27%, 93%
XYZ	61.3608, 52.1420, 69.7731
YIQ	195.8100, 24.9830, 26.3190

# Conversions

## Conversions Part 2

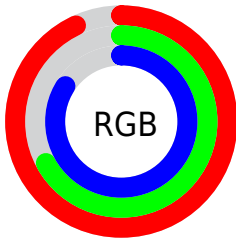
Format	Color
R <sub>Y</sub> B	236, 172, 213
Decimal	15510741
CIE Lab	77.37, 29.70, -11.45
CIE LCh	77, 31.830, 338.913
Yxy	52.1420, 0.3348, 0.2845
Android (android.graphics.Color)	4293700821 (0xFFECACD5)
YUV	195.8100, 8.4747, 35.2466
Hunter-Lab	72.2094, 25.3159, -6.7430

# Details

The Yxy color  $52.1420, 0.3348, 0.2845$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $72.7200, 0.2958, 0.3782$ , and the grayscale version is  $55.0211, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $83.9668, 0.3139, 0.3029$ , and  $25.2460, 0.3402, 0.2739$  is the 20% darker color. If you saturate the color by 10%, you get  $43.5242, 0.3457, 0.2677$ , and if you desaturate by 10%, it is  $62.3825, 0.3255, 0.3014$ .

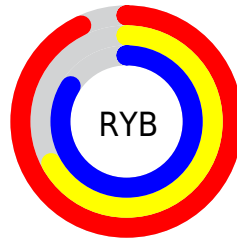
# Distribution



Red (93%)

Green (67%)

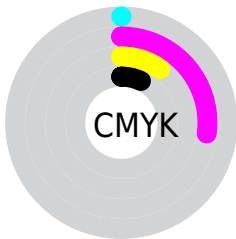
Blue (84%)



Red (93%)

Yellow (67%)

Blue (84%)

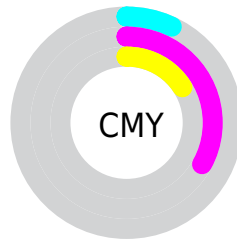


Cyan (0%)

Magenta (27%)

Yellow (10%)

Black (7%)



Cyan (7%)

Magenta (33%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.1420, 0.3348, 0.2845 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 52.1420, 0.3348, 0.2845 by changing the saturation by 10% instead.





 52.1420, 0.3348,  
0.2845

 52.1420, 0.3348,  
0.2845


394.9846, 0.3244,  
0.3055

 37.1183, 0.3372,  
0.2796


 93.3406, 0.3311,  
0.2919

 25.2991, 0.3403,  
0.2735


120.2843, 0.3297,  
0.2947

 16.3000, 0.3442,  
0.2657


151.9701, 0.3285,  
0.2972

 9.7367, 0.3494,  
0.2553

188.7824, 0.3275,  
0.2993

 5.2247, 0.3565,  
0.2410

231.1056, 0.3265,  
0.3011

 2.3797, 0.3672,  
0.2200

279.3241, 0.3257,

 0.8154, 0.3844,

0.3028

333.8223, 0.3250,  
0.3042

0.1859

0.0000, 0.4810,  
0.0000

0.0000, 0.0000,  
0.0000

52.1420, 0.3348,  
0.2845

52.1420, 0.3348,  
0.2845

43.5242, 0.3457,  
0.2677

62.3825, 0.3255,  
0.3014

36.4373, 0.3581,  
0.2516

74.3173, 0.3176,  
0.3178

30.7911, 0.3721,  
0.2372

88.0220, 0.3109,  
0.3334

26.4830, 0.3874,  
0.2258

96.0709, 0.3056,  
0.3369

■ 23.3966, 0.4034,  
0.2184

■ 96.5780, 0.3012,  
0.3290

■ 21.3955, 0.4197,  
0.2158

■ 20.3029, 0.4355,  
0.2185

■ 20.0757, 0.4400,  
0.2198

# Harmonies

## Analogous

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



52.1420, 0.2914, 0.2651



52.1420, 0.3348, 0.2845



52.1420, 0.3742, 0.3142

# Triad

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



52.1420, 0.3348, 0.2845



52.1420, 0.3689, 0.4027



52.1420, 0.2357, 0.3001

# Complementary

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



52.1420, 0.3348, 0.2845



72.7200, 0.2958, 0.3782

# 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.



52.1420, 0.2536, 0.3405



52.1420, 0.3348, 0.2845



52.1420, 0.3295, 0.4040

# Square

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



52.1420, 0.3348, 0.2845



52.1420, 0.3940, 0.3810



52.1420, 0.2874, 0.3805



52.1420, 0.2368, 0.2717



# Rectangle

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



52.1420, 0.3348, 0.2845



52.1420, 0.3916, 0.3370



52.1420, 0.2874, 0.3805



52.1420, 0.2396, 0.3127

# Sweetspot

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



52.1443, 0.3348, 0.2845



87.2041, 0.3182, 0.3163



47.0839, 0.2824, 0.2544



18.1829, 0.3194, 0.3139



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.



52.1443, 0.3348, 0.2845



55.7502, 0.3411, 0.2743



50.7017, 0.3627, 0.3184



15.2164, 0.3193, 0.3140



11.0886, 0.4376, 0.2184



0.8890, 0.4172, 0.2072



# Inverse Universe

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



52.1443, 0.3348, 0.2845



55.7502, 0.3411, 0.2743



74.2926, 0.2783, 0.3400



15.2164, 0.3193, 0.3140



11.0886, 0.4376, 0.2184



0.8890, 0.4172, 0.2072



# Previews

## White Background



This preview shows how the Yxy color 52.1420, 0.3348, 0.2845 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

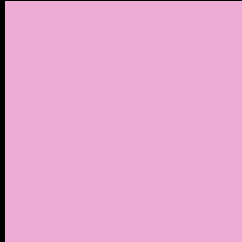
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.1420, 0.3348, 0.2845 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

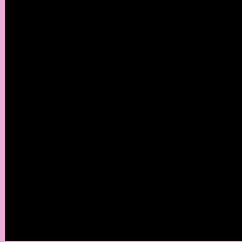
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.1420, 0.3348, 0.2845**

## Background



This preview shows how black text looks on a background with the Yxy color 52.1420, 0.3348, 0.2845.



This preview shows how white text looks on a background with the Yxy color 52.1420, 0.3348, 0.2845.

# 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

52.1420, 0.3348, 0.2845

### Protanopia

52.5774, 0.2839, 0.2869

### Deuteranopia

52.1885, 0.3067, 0.3004



## Tritanopia

52.0920, 0.3515, 0.3134

# Trichromacy



## Original Color

52.1420, 0.3348, 0.2845



## Protanomaly

51.9248, 0.3010, 0.2848



## Deuteranomaly

52.0470, 0.3168, 0.2944



## Tritanomaly

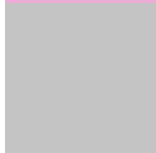
52.2296, 0.3456, 0.3036

# Monochromacy



## Original Color

52.1420, 0.3348, 0.2845



## Achromatopsia

55.2011, 0.3127, 0.3290



## Achromatomaly

53.6538, 0.3210, 0.3115

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.1420, 0.3348, 0.2845 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(236, 172, 213)` looks like.

```
.text, #text, p{  
    color:rgb(236, 172, 213)  
}
```

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(236, 172, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 172, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 52.1420, 0.3348, 0.2845 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(236, 172, 213) }
```

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

```
.border{ border-color:rgb(236, 172, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 172, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 172, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 172, 213);  
box-shadow:4px 4px 4px 4px rgb(236, 172,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.1420, 0.3348, 0.2845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 172, 213) }
```

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

```
.background{ background-color: rgb(236,  
172, 213) }
```

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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