

# Converting Colors

Yxy(51.3969, 0.3342, 0.2834)

Have a look what the booklet for  
Yxy(51.3969, 0.3342, 0.2834)  
contains.

<b>Yxy(51.5921, 0.3340, 0.2833)</b>	3
<i><b>Conversions</b></i>	4
<i><b>Details</b></i>	6
<i><b>Harmonies</b></i>	12
<i><b>Previews</b></i>	24
<i><b>Color Blindness Simulation</b></i>	27
<i><b>CSS Examples</b></i>	30

# Color

**Yxy(51.5921, 0.3340, 0.2833)**

# Conversions

Conversions Part 1	
Format	Color
Hex	EBABD5
RGB	235, 171, 213
RGB Percent	92%, 67%, 84%
CMY	0.0785, 0.3293, 0.1648
CMYK	0.00, 0.27, 0.09, 0.08
HSL	321°, 61%, 80%
HSV	321°, 27%, 92%
XYZ	60.8251, 51.5921, 69.6940
YIQ	194.9240, 24.6620, 26.6300

# Conversions

## Conversions Part 2

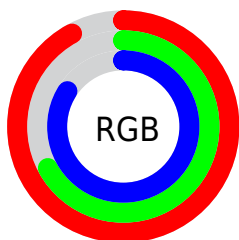
Format	Color
<a href="#">RYB</a>	<a href="#">235, 171, 213</a>
Decimal	<a href="#">15444949</a>
CIELab	<a href="#">77.04, 29.86, -11.95</a>
CIELCh	<a href="#">77, 32.161, 338.179</a>
Yxy	<a href="#">51.5921, 0.3340, 0.2833</a>
Android (android.graphics.Color)	<a href="#">4293635029</a> (0xFFEBABD5)
YUV	<a href="#">194.9240, 8.9115, 35.1467</a>
Hunter-Lab	<a href="#">71.8276, 25.4591, -7.2494</a>

# Details

The Yxy color **51.5921, 0.3340, 0.2833** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **71.9104, 0.2963, 0.3797**, and the grayscale version is **54.4611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4182, 0.3140, 0.3019**, and **24.8905, 0.3392, 0.2723** is the 20% darker color. If you saturate the color by 10%, you get **43.0914, 0.3444, 0.2661**, and if you desaturate by 10%, it is **61.6957, 0.3250, 0.3006**.

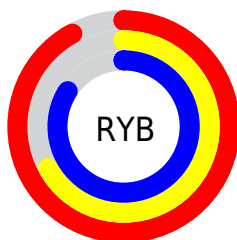
# Distribution



Red (92%)

Green (67%)

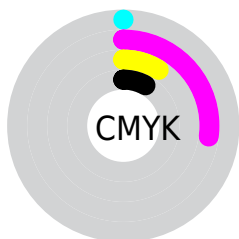
Blue (84%)



Red (92%)

Yellow (67%)

Blue (84%)

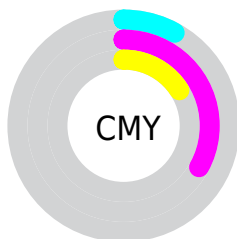


Cyan (0%)

Magenta (27%)

Yellow (9%)

Black (8%)



Cyan (8%)

Magenta (33%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.5921, 0.3340, 0.2833 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 51.5921, 0.3340, 0.2833 by changing the saturation by 10% instead.





 51.5921, 0.3340,  
0.2833

 51.5921, 0.3340,  
0.2833

392.8599, 0.3240,  
0.3049

 36.6800, 0.3363,  
0.2783

 92.5294, 0.3305,  
0.2909

 24.9599, 0.3393,  
0.2720


119.3234, 0.3291,  
0.2938

 16.0472, 0.3430,  
0.2640


150.8469, 0.3279,  
0.2963

 9.5575, 0.3480,  
0.2533

187.4842, 0.3269,  
0.2985

 5.1066, 0.3548,  
0.2386

229.6198, 0.3261,  
0.3004

 2.3099, 0.3649,  
0.2169


277.6380, 0.3253,


 0.7790, 0.3814,


0.3021


0.1814

331.9232, 0.3246,  
0.3036

 0.0000, 0.4656,  
0.0000


 0.0000, 0.0000,  
0.0000


 51.5921, 0.3340,  
0.2833


 51.5921, 0.3340,  
0.2833


 43.0914, 0.3444,  
0.2661

 61.6957, 0.3250,  
0.3006

 36.1028, 0.3563,  
0.2497


 73.4729, 0.3174,  
0.3174

 30.5370, 0.3696,  
0.2350


 86.9987, 0.3110,  
0.3334


 26.2925, 0.3840,  
0.2233


 95.7878, 0.3059,  
0.3386


 23.2542, 0.3992,  
0.2156

 96.2928, 0.3014,  
0.3306

 21.2869, 0.4145,  
0.2128

 96.3971, 0.3005,  
0.3290

 20.2145, 0.4294,  
0.2150

 19.9968, 0.4335,  
0.2162

# Harmonies

## Analogous

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



51.5921, 0.2901, 0.2640



51.5921, 0.3340, 0.2833



51.5921, 0.3743, 0.3131

# Triad

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



51.5921, 0.3340, 0.2833



51.5921, 0.3704, 0.4034



51.5921, 0.2349, 0.3005

# Complementary

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



51.5921, 0.3340, 0.2833



71.9104, 0.2963, 0.3797

# 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.



51.5921, 0.2534, 0.3417



51.5921, 0.3340, 0.2833



51.5921, 0.3308, 0.4054

# Square

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



51.5921, 0.3340, 0.2833



51.5921, 0.3954, 0.3810



51.5921, 0.2880, 0.3822



51.5921, 0.2355, 0.2714



# Rectangle

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



51.5921, 0.3340, 0.2833



51.5921, 0.3922, 0.3362



51.5921, 0.2880, 0.3822



51.5921, 0.2390, 0.3134

# Sweetspot

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



51.5944, 0.3340, 0.2833



87.2244, 0.3180, 0.3160



46.3809, 0.2814, 0.2540



18.1880, 0.3191, 0.3135



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.



51.5944, 0.3340, 0.2833



55.8242, 0.3400, 0.2730



50.1551, 0.3619, 0.3172



15.2207, 0.3190, 0.3137



11.1572, 0.4312, 0.2149



0.8941, 0.4120, 0.2043



# Inverse Universe

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



51.5944, 0.3340, 0.2833



55.8242, 0.3400, 0.2730



73.4587, 0.2788, 0.3413



15.2207, 0.3190, 0.3137



11.1572, 0.4312, 0.2149

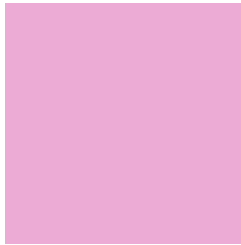


0.8941, 0.4120, 0.2043



# Previews

## White Background



This preview shows how the Yxy color 51.5921, 0.3340, 0.2833 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

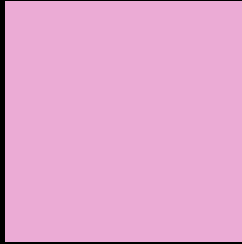
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.5921, 0.3340, 0.2833 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

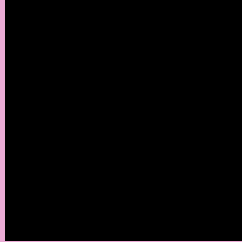
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.5921, 0.3340, 0.2833**

## Background



This preview shows how black text looks on a background with the Yxy color 51.5921, 0.3340, 0.2833.



This preview shows how white text looks on a background with the Yxy color 51.5921, 0.3340, 0.2833.

# 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

51.5921, 0.3340, 0.2833

### Protanopia

51.8987, 0.2823, 0.2855

### Deuteranopia

51.6304, 0.3059, 0.2992




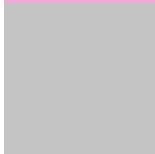

## Tritanopia

51.4899, 0.3517, 0.3134

# Trichromacy

	<b>Original Color</b> 51.5921, 0.3340, 0.2833
	<b>Protanomaly</b> 51.2329, 0.2994, 0.2834
	<b>Deuteranomaly</b> 51.4918, 0.3161, 0.2931
	<b>Tritanomaly</b> 51.6730, 0.3448, 0.3024

# Monochromacy

	<b>Original Color</b> 51.5921, 0.3340, 0.2833
	<b>Achromatopsia</b> 54.5724, 0.3127, 0.3290
	<b>Achromatomaly</b> 53.0837, 0.3202, 0.3102

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.5921, 0.3340, 0.2833 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(235, 171, 213) looks like.

```
.text, #text, p{  
    color:rgb(235, 171, 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(235, 171, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 171, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 51.5921, 0.3340, 0.2833 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(235, 171, 213) }
```

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

```
.border{ border-color:rgb(235, 171, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 171, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 171, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 171, 213);  
box-shadow:4px 4px 4px 4px rgb(235, 171,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.5921, 0.3340, 0.2833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 171, 213) }
```

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

```
.background{ background-color: rgb(235,  
171, 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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