

# Converting Colors

Yxy(53.2460, 0.3113, 0.2663)

Have a look what the booklet for  
Yxy(53.2460, 0.3113, 0.2663)  
contains.

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# Color

**Yxy(53.0371, 0.3115, 0.2663)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4AFE9
RGB	228, 175, 233
RGB Percent	89%, 69%, 91%
CMY	0.1058, 0.3137, 0.0861
CMYK	0.02, 0.25, 0.00, 0.09
HSL	295°, 57%, 80%
HSV	295°, 25%, 91%
XYZ	62.0393, 53.0371, 84.0866
YIQ	197.4590, 12.9700, 29.2740

# Conversions

## Conversions Part 2

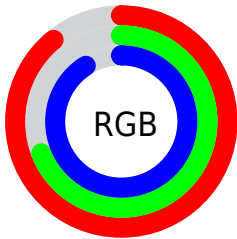
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 175, 233
Decimal	14987241
CIE Lab	77.90, 29.00, -21.60
CIE LCh	78, 36.157, 323.314
Yxy	53.0371, 0.3115, 0.2663
Android (android.graphics.Color)	4293177321 (0xFFE4AFE9)
YUV	197.4590, 17.5217, 26.7845
Hunter-Lab	72.8266, 24.6135, -17.4785

# Details

The Yxy color **53.0371, 0.3115, 0.2663** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **71.1011, 0.3127, 0.3991**, and the grayscale version is **56.0151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6318, 0.3138, 0.3058**, and **25.8640, 0.3108, 0.2519** is the 20% darker color. If you saturate the color by 10%, you get **44.4094, 0.3106, 0.2409**, and if you desaturate by 10%, it is **63.2386, 0.3122, 0.2919**.

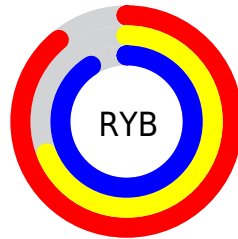
# Distribution



Red (89%)

Green (69%)

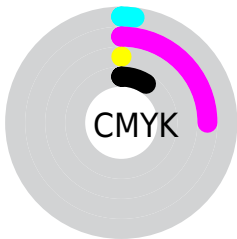
Blue (91%)



Red (89%)

Yellow (69%)

Blue (91%)

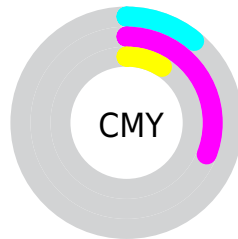


Cyan (2%)

Magenta (25%)

Yellow (0%)

Black (9%)



Cyan (11%)

Magenta (31%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.0371, 0.3115, 0.2663 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 53.0371, 0.3115, 0.2663 by changing the saturation by 10% instead.




 53.0371, 0.3115,  
0.2663

 53.0371, 0.3115,  
0.2663


398.4274, 0.3127,  
0.2954

 37.8324, 0.3111,  
0.2597


 94.6590, 0.3120,  
0.2764

 25.8526, 0.3104,  
0.2515


121.8449, 0.3122,  
0.2803

 16.7134, 0.3095,  
0.2412

153.7934, 0.3124,  
0.2837

 10.0304, 0.3080,  
0.2277

190.8887, 0.3125,  
0.2866

 5.4191, 0.3056,  
0.2096

233.5155, 0.3125,  
0.2892

 2.4952, 0.3011,  
0.1840

282.0579, 0.3126,

 0.8742, 0.2917,

0.2915

0.1458

336.9004, 0.3127,  
0.2935

0.0000, 0.2743,  
0.0000

0.0000, 0.0000,  
0.0000

53.0371, 0.3115,  
0.2663

53.0371, 0.3115,  
0.2663

44.4094, 0.3106,  
0.2409

63.2386, 0.3122,  
0.2919

37.2681, 0.3094,  
0.2167

75.0815, 0.3126,  
0.3170

31.5280, 0.3079,  
0.1946

88.6381, 0.3128,  
0.3411

27.0923, 0.3062,  
0.1757

95.2531, 0.3136,  
0.3510

■ 23.8522, 0.3043,  
0.1608

■ 95.6008, 0.3148,  
0.3509

■ 21.6809, 0.3022,  
0.1503

■ 95.9524, 0.3161,  
0.3508

■ 20.4229, 0.3000,  
0.1440

■ 96.3080, 0.3174,  
0.3508

■ 20.0091, 0.2989,  
0.1420

■ 96.6675, 0.3187,  
0.3507

■ 97.0310, 0.3199,  
0.3506

# Harmonies

## Analogous

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



53.0371, 0.2664, 0.2525



53.0371, 0.3115, 0.2663



53.0371, 0.3605, 0.2939

# Triad

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



53.0371, 0.3115, 0.2663



53.0371, 0.3932, 0.4010



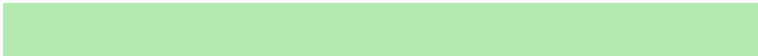
53.0371, 0.2342, 0.3186

# Complementary

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



53.0371, 0.3115, 0.2663



71.1011, 0.3127, 0.3991

# 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.



53.0371, 0.2639, 0.3669



53.0371, 0.3115, 0.2663



53.0371, 0.3555, 0.4167

# Square

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



53.0371, 0.3115, 0.2663



53.0371, 0.4094, 0.3686



53.0371, 0.3080, 0.4050



53.0371, 0.2245, 0.2785



# Rectangle

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



53.0371, 0.3115, 0.2663



53.0371, 0.3875, 0.3175



53.0371, 0.3080, 0.4050



53.0371, 0.2420, 0.3345

# Sweetspot

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



53.0394, 0.3115, 0.2663



88.8431, 0.3125, 0.3118



47.9654, 0.2706, 0.2655



18.8206, 0.3125, 0.3103



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.



53.0394, 0.3115, 0.2663



59.2847, 0.3111, 0.2529



52.6328, 0.3345, 0.2908



15.2436, 0.3124, 0.3057



11.3767, 0.2993, 0.1422



0.9129, 0.3024, 0.1440



# Inverse Universe

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



51.2848, 0.3607, 0.3235



56.8083, 0.3745, 0.3222



71.5005, 0.2957, 0.3707



15.0752, 0.3279, 0.3270



9.8663, 0.6303, 0.3246



0.7820, 0.6070, 0.3117



# Previews

## White Background



This preview shows how the Yxy color 53.0371, 0.3115, 0.2663 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

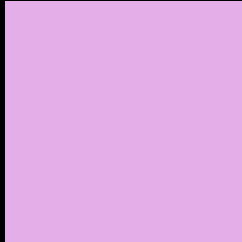
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.0371, 0.3115, 0.2663 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

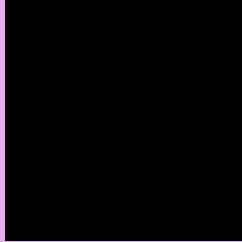
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.0371, 0.3115, 0.2663**

## Background



This preview shows how black text looks on a background with the Yxy color 53.0371, 0.3115, 0.2663.



This preview shows how white text looks on a background with the Yxy color 53.0371, 0.3115, 0.2663.

# 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

53.0371, 0.3115, 0.2663

### Protanopia

53.4966, 0.2684, 0.2670

### Deuteranopia

53.0171, 0.2863, 0.2798



## Tritanopia

53.1294, 0.3366, 0.3130

# Trichromacy



## Original Color

53.0371, 0.3115, 0.2663



## Protanomaly

52.8595, 0.2824, 0.2661



## Deuteranomaly

52.7583, 0.2953, 0.2743



## Tritanomaly

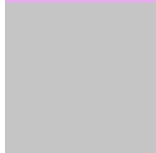
52.8512, 0.3279, 0.2953

# Monochromacy



## Original Color

53.0371, 0.3115, 0.2663



## Achromatopsia

55.8340, 0.3127, 0.3290



## Achromatomaly

54.4582, 0.3122, 0.3045

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.0371, 0.3115, 0.2663 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(228, 175, 233)` looks like.

```
.text, #text, p{  
    color:rgb(228, 175, 233)  
}
```

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(228, 175, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 175, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 53.0371, 0.3115, 0.2663 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(228, 175, 233) }
```

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

```
.border{ border-color:rgb(228, 175, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 175, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 175, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 175, 233);  
box-shadow:4px 4px 4px 4px rgb(228, 175,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.0371, 0.3115, 0.2663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 175, 233) }
```

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

```
.background{ background-color: rgb(228,  
175, 233) }
```

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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