

# Converting Colors

$Yxy(51.3972, 0.3106, 0.2667)$

Have a look what the booklet for  
Yxy(51.3972, 0.3106, 0.2667)  
contains.

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# Color

**Yxy(51.4476, 0.3106, 0.2665)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E0ADE6
RGB	224, 173, 230
RGB Percent	88%, 68%, 90%
CMY	0.1217, 0.3215, 0.0980
CMYK	0.03, 0.25, 0.00, 0.10
HSL	294°, 53%, 79%
HSV	294°, 25%, 90%
XYZ	59.9611, 51.4476, 81.6405
YIQ	194.7470, 12.0990, 28.5390

# Conversions

## Conversions Part 2

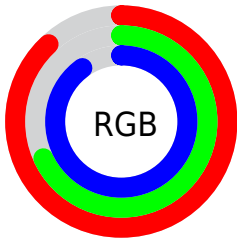
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 173, 230
Decimal	14724582
CIE <sub>Lab</sub>	76.95, 28.18, -21.44
CIE <sub>LCh</sub>	77, 35.409, 322.739
Yxy	51.4476, 0.3106, 0.2665
Android (android.graphics.Color)	4292914662 (0xFFE0ADE6)
YUV	194.7470, 17.3797, 25.6549
Hunter-Lab	71.7270, 23.6971, -17.2757

# Details

The Yxy color **51.4476, 0.3106, 0.2665** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **69.2081, 0.3135, 0.3985**, and the grayscale version is **54.3047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5186, 0.3139, 0.3039**, and **24.8138, 0.3096, 0.2518** is the 20% darker color. If you saturate the color by 10%, you get **42.9873, 0.3092, 0.2409**, and if you desaturate by 10%, it is **61.4364, 0.3117, 0.2922**.

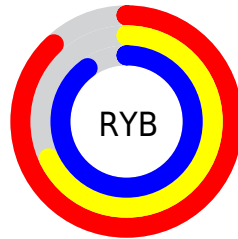
# Distribution



Red (88%)

Green (68%)

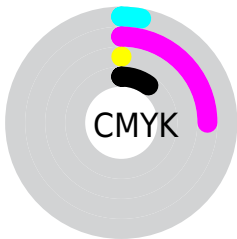
Blue (90%)



Red (88%)

Yellow (68%)

Blue (90%)

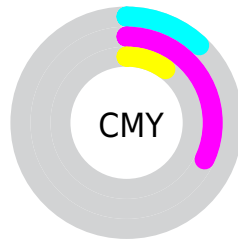


Cyan (3%)

Magenta (25%)

Yellow (0%)

Black (10%)



Cyan (12%)

Magenta (32%)


Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4476, 0.3106, 0.2665 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 51.4476, 0.3106, 0.2665 by changing the saturation by 10% instead.





 51.4476, 0.3106,  
0.2665

 51.4476, 0.3106,  
0.2665

392.3003, 0.3122,  
0.2957

 36.5650, 0.3101,  
0.2598


 92.3161, 0.3113,  
0.2766

 24.8708, 0.3093,  
0.2515


119.0707, 0.3115,  
0.2806

 15.9808, 0.3082,  
0.2411


150.5514, 0.3117,  
0.2840

 9.5106, 0.3065,  
0.2274

187.1426, 0.3119,  
0.2869

 5.0757, 0.3036,  
0.2088

229.2287, 0.3120,  
0.2895

 2.2917, 0.2985,  
0.1824

277.1941, 0.3121,

 0.7693, 0.2880,

0.2918

0.1419

331.4232, 0.3122,  
0.2938

0.0000, 0.2434,  
0.0000

0.0000, 0.0000,  
0.0000

51.4476, 0.3106,  
0.2665

51.4476, 0.3106,  
0.2665

42.9873, 0.3092,  
0.2409

61.4364, 0.3117,  
0.2922

35.9711, 0.3076,  
0.2164

73.0192, 0.3124,  
0.3174

30.3164, 0.3056,  
0.1940

86.2659, 0.3130,  
0.3414

25.9298, 0.3033,  
0.1747

94.6791, 0.3138,  
0.3542

■ 22.7058, 0.3008,  
0.1592

■ 95.0939, 0.3154,  
0.3541

■ 20.5222, 0.2981,  
0.1482

■ 95.5144, 0.3169,  
0.3540

■ 19.2291, 0.2954,  
0.1416

■ 95.9406, 0.3184,  
0.3539

■ 18.7835, 0.2940,  
0.1393

■ 96.3725, 0.3200,  
0.3538

■ 96.8103, 0.3215,  
0.3536

# Harmonies

## Analogous

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



51.4476, 0.2661, 0.2531



51.4476, 0.3106, 0.2665



51.4476, 0.3591, 0.2936

# Triad

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



51.4476, 0.3106, 0.2665



51.4476, 0.3929, 0.3998



51.4476, 0.2354, 0.3196

# Complementary

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



51.4476, 0.3106, 0.2665



69.2081, 0.3135, 0.3985

# 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.



51.4476, 0.2652, 0.3674



51.4476, 0.3106, 0.2665



51.4476, 0.3559, 0.4156

# Square

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



51.4476, 0.3106, 0.2665



51.4476, 0.4085, 0.3675



51.4476, 0.3090, 0.4046



51.4476, 0.2254, 0.2796



# Rectangle

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



51.4476, 0.3106, 0.2665



51.4476, 0.3860, 0.3169



51.4476, 0.3090, 0.4046



51.4476, 0.2433, 0.3354

# Sweetspot

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



51.4498, 0.3106, 0.2665



88.7783, 0.3123, 0.3118



47.1076, 0.2709, 0.2672



18.8055, 0.3122, 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.



51.4498, 0.3106, 0.2665



59.0148, 0.3099, 0.2526



51.2803, 0.3336, 0.2900



14.5336, 0.3121, 0.3057



10.6652, 0.2944, 0.1396



0.8105, 0.2985, 0.1418



# Inverse Universe

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



49.9752, 0.3593, 0.3222



56.8712, 0.3732, 0.3207



69.4199, 0.2964, 0.3716



14.3927, 0.3276, 0.3265



9.5710, 0.6272, 0.3229



0.7157, 0.5986, 0.3071



# Previews

## White Background



This preview shows how the Yxy color 51.4476, 0.3106, 0.2665 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

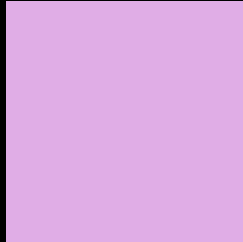
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.4476, 0.3106, 0.2665 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

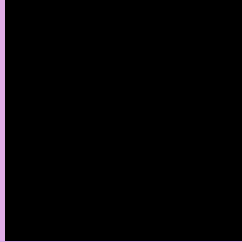
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.4476, 0.3106, 0.2665**

## Background



This preview shows how black text looks on a background with the Yxy color 51.4476, 0.3106, 0.2665.



This preview shows how white text looks on a background with the Yxy color 51.4476, 0.3106, 0.2665.

# 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

51.4476, 0.3106, 0.2665

### Protanopia

51.6644, 0.2679, 0.2662

### Deuteranopia

51.6664, 0.2853, 0.2792



## Tritanopia

51.5976, 0.3351, 0.3128

# Trichromacy



**Original Color**

51.4476, 0.3106, 0.2665

**Protanomaly**

51.4507, 0.2821, 0.2664

**Deuteranomaly**

51.2614, 0.2936, 0.2735

**Tritanomaly**

51.3214, 0.3263, 0.2948

# Monochromacy



**Original Color**

51.4476, 0.3106, 0.2665

**Achromatopsia**

54.5724, 0.3127, 0.3290

**Achromatomaly**

53.2165, 0.3122, 0.3043

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.4476, 0.3106, 0.2665 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, 173, 230)` looks like.

```
.text, #text, p{  
    color:rgb(224, 173, 230)  
}
```

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, 173, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 173, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 51.4476, 0.3106, 0.2665 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, 173, 230) }
```

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

```
.border{ border-color:rgb(224, 173, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 173, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 173, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 173, 230);  
box-shadow:4px 4px 4px 4px rgb(224, 173,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.4476, 0.3106, 0.2665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 173, 230) }
```

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

```
.background{ background-color: rgb(224,  
173, 230) }
```

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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