

# Converting Colors

$Yxy(50.9603, 0.3178, 0.2757)$

Have a look what the booklet for  
Yxy(50.9603, 0.3178, 0.2757)  
contains.

<b>Yxy(50.9549, 0.3178, 0.2757)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(50.9549, 0.3178, 0.2757)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E0ADDD
RGB	224, 173, 221
RGB Percent	88%, 68%, 87%
CMY	0.1215, 0.3216, 0.1334
CMYK	0.00, 0.23, 0.01, 0.12
HSL	304°, 45%, 78%
HSV	304°, 23%, 88%
XYZ	58.7358, 50.9549, 75.1294
YIQ	193.7210, 14.9880, 25.7400

# Conversions

## Conversions Part 2

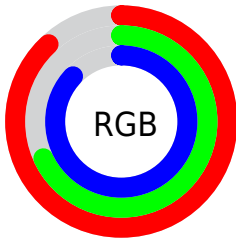
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	224, 173, 221
Decimal	14724573
CIE Lab	76.65, 26.52, -16.99
CIE LCh	77, 31.497, 327.363
Yxy	50.9549, 0.3178, 0.2757
Android (android.graphics.Color)	4292914653 (0xFFE0ADDD)
YUV	193.7210, 13.4485, 26.5547
Hunter-Lab	71.3827, 21.9554, -12.4341

# Details

The Yxy color  $50.9549, 0.3178, 0.2757$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $65.3403, 0.3078, 0.3888$ , and the grayscale version is  $53.6892, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $84.5186, 0.3139, 0.3039$ , and  $24.5109, 0.3182, 0.2622$  is the 20% darker color. If you saturate the color by 10%, you get  $43.0032, 0.3203, 0.2522$ , and if you desaturate by 10%, it is  $60.3520, 0.3154, 0.2994$ .

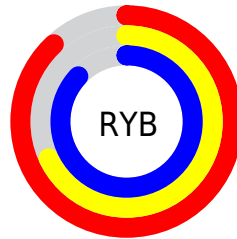
# Distribution



Red (88%)

Green (68%)

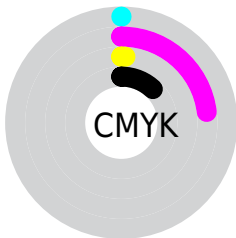
Blue (87%)



Red (88%)

Yellow (68%)

Blue (87%)

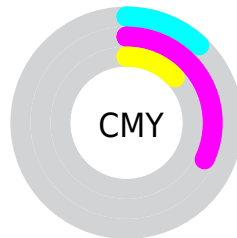


Cyan (0%)

Magenta (23%)

Yellow (1%)

Black (12%)



Cyan (12%)

Magenta (32%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.9549, 0.3178, 0.2757 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 50.9549, 0.3178, 0.2757 by changing the saturation by 10% instead.



50.9549, 0.3178,  
0.2757

50.9549, 0.3178,  
0.2757

390.3885, 0.3158,  
0.3008

36.1727, 0.3182,  
0.2699

91.5881, 0.3172,  
0.2845

24.5676, 0.3186,  
0.2626

118.2079, 0.3169,  
0.2879

15.7552, 0.3190,  
0.2534

149.5424, 0.3167,  
0.2908

9.3511, 0.3194,  
0.2412

185.9759, 0.3165,  
0.2933

4.9709, 0.3196,  
0.2245

227.8929, 0.3163,  
0.2955

2.2302, 0.3193,  
0.2001

275.6777, 0.3161,

0.7364, 0.3173,

0.2975

0.1605

329.7148, 0.3159,  
0.2992

0.0000, 0.2735,  
0.0000

0.0000, 0.0000,  
0.0000

50.9549, 0.3178,  
0.2757

50.9549, 0.3178,  
0.2757

43.0032, 0.3203,  
0.2522

60.3520, 0.3154,  
0.2994

36.4183, 0.3230,  
0.2298

71.2544, 0.3133,  
0.3227

31.1246, 0.3257,  
0.2094

83.7272, 0.3113,  
0.3450

27.0364, 0.3283,  
0.1921

92.8780, 0.3099,  
0.3586

■ 24.0574, 0.3309,  
0.1785

■ 92.9517, 0.3092,  
0.3572

■ 22.0769, 0.3332,  
0.1692

■ 93.0259, 0.3084,  
0.3557

■ 20.9612, 0.3353,  
0.1643

■ 93.1007, 0.3077,  
0.3543

■ 20.5365, 0.3366,  
0.1628

■ 93.1761, 0.3069,  
0.3529

■ 93.2521, 0.3062,  
0.3515

# Harmonies

## Analogous

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



50.9549, 0.2765, 0.2615



50.9549, 0.3178, 0.2757



50.9549, 0.3603, 0.3019

# Triad

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



50.9549, 0.3178, 0.2757



50.9549, 0.3806, 0.3961



50.9549, 0.2406, 0.3148

# Complementary

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



50.9549, 0.3178, 0.2757



65.3403, 0.3078, 0.3888

# 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.



50.9549, 0.2651, 0.3568



50.9549, 0.3178, 0.2757



50.9549, 0.3456, 0.4062

# Square

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



50.9549, 0.3178, 0.2757



50.9549, 0.3976, 0.3692



50.9549, 0.3032, 0.3921



50.9549, 0.2343, 0.2809



# Rectangle

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



50.9549, 0.3178, 0.2757



50.9549, 0.3825, 0.3237



50.9549, 0.3032, 0.3921



50.9549, 0.2469, 0.3285

# Sweetspot

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



50.9571, 0.3178, 0.2757



89.0670, 0.3142, 0.3128



44.4489, 0.2761, 0.2656



18.8726, 0.3143, 0.3114



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.



50.9571, 0.3178, 0.2757



63.3997, 0.3189, 0.2652



49.7215, 0.3388, 0.3027



13.9208, 0.3147, 0.3073



11.9581, 0.3364, 0.1627



0.8332, 0.3338, 0.1612



# Inverse Universe

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



50.9571, 0.3178, 0.2757



63.3997, 0.3189, 0.2652



66.4239, 0.2925, 0.3569



13.9208, 0.3147, 0.3073



11.9581, 0.3364, 0.1627



0.8332, 0.3338, 0.1612



# Previews

## White Background



This preview shows how the Yxy color 50.9549, 0.3178, 0.2757 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

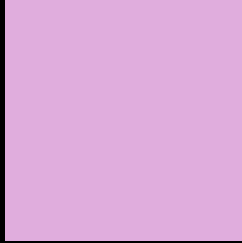
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.9549, 0.3178, 0.2757 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

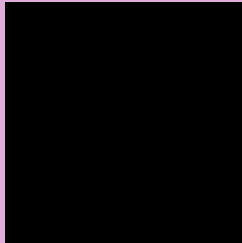
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.9549, 0.3178, 0.2757**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.9549, 0.3178, 0.2757.



This preview shows how white text looks on a background with the Yxy color 50.9549, 0.3178, 0.2757.

# 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

50.9549, 0.3178, 0.2757

### Protanopia

51.4393, 0.2762, 0.2773

### Deuteranopia

51.2817, 0.2946, 0.2884



## Tritanopia

50.8622, 0.3379, 0.3128

# Trichromacy



## Original Color

50.9549, 0.3178, 0.2757



## Protanomaly

51.1488, 0.2904, 0.2773



## Deuteranomaly

51.1942, 0.3026, 0.2836



## Tritanomaly

50.7346, 0.3298, 0.2981

# Monochromacy



## Original Color

50.9549, 0.3178, 0.2757



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

52.4566, 0.3145, 0.3076

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.9549, 0.3178, 0.2757 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(224, 173, 221)  
}
```

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, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 173, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 50.9549, 0.3178, 0.2757 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, 221) }
```

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

```
.border{ border-color:rgb(224, 173, 221) }
```

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, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 173, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 173, 221);  
box-shadow:4px 4px 4px 4px rgb(224, 173,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.9549, 0.3178, 0.2757 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, 221) }
```

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

```
.background{ background-color: rgb(224,  
173, 221) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor