

# Converting Colors

$Y_{xy}(52.2751, 0.3123, 0.2785)$

Have a look what the booklet for  
Yxy(52.2751, 0.3123, 0.2785)  
contains.

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# Color

**Yxy(52.3841, 0.3126, 0.2787)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCB2DF
RGB	220, 178, 223
RGB Percent	86%, 70%, 87%
CMY	0.1372, 0.3020, 0.1255
CMYK	0.01, 0.20, 0.00, 0.13
HSL	296°, 41%, 79%
HSV	296°, 20%, 87%
XYZ	58.7559, 52.3841, 76.8187
YIQ	195.6880, 10.5870, 22.8990

# Conversions

## Conversions Part 2

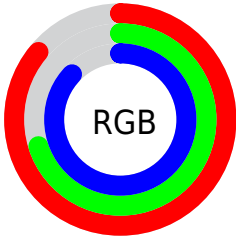
Format	Color
R <sub>Y</sub> B	220, 178, 223
Decimal	14463711
CIE Lab	77.51, 22.87, -16.82
CIE LCh	78, 28.393, 323.667
Yxy	52.3841, 0.3126, 0.2787
Android (android.graphics.Color)	4292653791 (0xFFDCB2DF)
YUV	195.6880, 13.4648, 21.3216
Hunter-Lab	72.3769, 18.2477, -12.2649

# Details

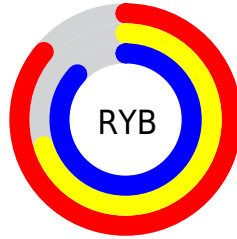
The Yxy color **52.3841, 0.3126, 0.2787** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **65.8061, 0.3122, 0.3842**, and the grayscale version is **54.9201, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3256, 0.3137, 0.3088**, and **25.4937, 0.3123, 0.2661** is the 20% darker color. If you saturate the color by 10%, you get **43.9927, 0.3123, 0.2533**, and if you desaturate by 10%, it is **62.2244, 0.3127, 0.3040**.

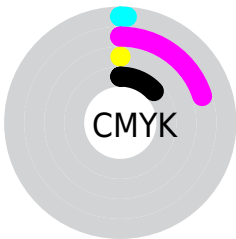
# Distribution



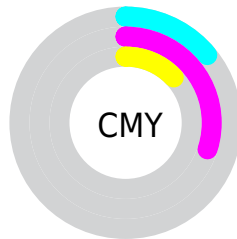
- Red (86%)
- Green (70%)
- Blue (87%)



- Red (86%)
- Yellow (70%)
- Blue (87%)



- Cyan (1%)
- Magenta (20%)
- Yellow (0%)
- Black (13%)



- Cyan (14%)
- Magenta (30%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.3841, 0.3126, 0.2787 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 52.3841, 0.3126, 0.2787 by changing the saturation by 10% instead.





 52.3841, 0.3126,  
0.2787

 52.3841, 0.3126,  
0.2787


395.9177, 0.3131,  
0.3024

 37.3113, 0.3124,  
0.2732


 93.6975, 0.3128,  
0.2870

 25.4486, 0.3121,  
0.2664


120.7068, 0.3129,  
0.2902

 16.4116, 0.3116,  
0.2577


152.4639, 0.3130,  
0.2929

 9.8159, 0.3107,  
0.2462

189.3529, 0.3130,  
0.2953

 5.2771, 0.3093,  
0.2304

231.7585, 0.3130,  
0.2974

 2.4107, 0.3064,  
0.2074

280.0648, 0.3130,

 0.8314, 0.3000,

0.2993

0.1712

334.6564, 0.3130,  
0.3009

0.0000, 0.2528,  
0.0000

0.0000, 0.0000,  
0.0000

52.3841, 0.3126,  
0.2787

52.3841, 0.3126,  
0.2787

43.9927, 0.3123,  
0.2533

62.2244, 0.3127,  
0.3040

36.9739, 0.3117,  
0.2287

73.5716, 0.3127,  
0.3286

31.2544, 0.3110,  
0.2059

86.4891, 0.3126,  
0.3519

26.7517, 0.3100,  
0.1858

93.0026, 0.3130,  
0.3620

■ 23.3738, 0.3087,  
0.1693

■ 93.2422, 0.3139,  
0.3619

■ 21.0155, 0.3073,  
0.1570

■ 93.4839, 0.3148,  
0.3618

■ 19.5516, 0.3058,  
0.1491

■ 93.7277, 0.3158,  
0.3617

■ 18.7697, 0.3042,  
0.1449

■ 93.9735, 0.3167,  
0.3616

■ 94.2214, 0.3176,  
0.3615

# Harmonies

## Analogous

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



52.3841, 0.2764, 0.2675



52.3841, 0.3126, 0.2787



52.3841, 0.3509, 0.3014

# Triad

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



52.3841, 0.3126, 0.2787



52.3841, 0.3765, 0.3870



52.3841, 0.2498, 0.3211

# Complementary

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



52.3841, 0.3126, 0.2787



65.8061, 0.3122, 0.3842

# 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.



52.3841, 0.2739, 0.3583



52.3841, 0.3126, 0.2787



52.3841, 0.3468, 0.3977

# Square

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



52.3841, 0.3126, 0.2787



52.3841, 0.3890, 0.3620



52.3841, 0.3092, 0.3876



52.3841, 0.2419, 0.2892



# Rectangle

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



52.3841, 0.3126, 0.2787



52.3841, 0.3718, 0.3207



52.3841, 0.3092, 0.3876



52.3841, 0.2562, 0.3335

# Sweetspot

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



52.3864, 0.3126, 0.2787



90.4320, 0.3127, 0.3143



47.8409, 0.2794, 0.2773



19.1431, 0.3127, 0.3127



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.



52.3864, 0.3126, 0.2787



66.2141, 0.3125, 0.2685



51.8637, 0.3308, 0.3000



13.8870, 0.3127, 0.3058



11.0570, 0.3044, 0.1451



0.7805, 0.3071, 0.1466



# Inverse Universe

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



50.8636, 0.3501, 0.3256



63.8250, 0.3598, 0.3249



66.2895, 0.2979, 0.3599



13.7152, 0.3282, 0.3275



9.2500, 0.6327, 0.3259



0.6464, 0.6121, 0.3146



# Previews

## White Background



This preview shows how the Yxy color 52.3841, 0.3126, 0.2787 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

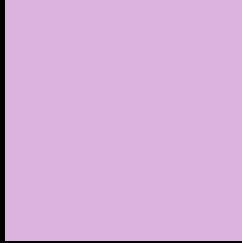
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.3841, 0.3126, 0.2787 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

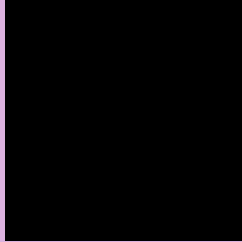
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.3841, 0.3126, 0.2787**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.3841, 0.3126, 0.2787.



This preview shows how white text looks on a background with the Yxy color 52.3841, 0.3126, 0.2787.

# 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

52.3841, 0.3126, 0.2787

### Protanopia

52.6637, 0.2785, 0.2801

### Deuteranopia

52.4969, 0.2948, 0.2888



## Tritanopia

52.4971, 0.3296, 0.3127

# Trichromacy



## Original Color

52.3841, 0.3126, 0.2787

## Protanomaly

52.4550, 0.2898, 0.2798

## Deuteranomaly

52.5340, 0.3011, 0.2850

## Tritanomaly

52.2557, 0.3234, 0.3002

# Monochromacy



## Original Color

52.3841, 0.3126, 0.2787

## Achromatopsia

55.2011, 0.3127, 0.3290

## Achromatomaly

53.8306, 0.3128, 0.3089

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.3841, 0.3126, 0.2787 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(220, 178, 223)` looks like.

```
.text, #text, p{  
    color:rgb(220, 178, 223)  
}
```

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(220, 178, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 178, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 52.3841, 0.3126, 0.2787 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(220, 178, 223) }
```

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

```
.border{ border-color:rgb(220, 178, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 178, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 178, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 178, 223);  
box-shadow:4px 4px 4px 4px rgb(220, 178,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.3841, 0.3126, 0.2787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 178, 223) }
```

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

```
.background{ background-color: rgb(220,  
178, 223) }
```

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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