

# Converting Colors

Yxy(53.0130, 0.3215, 0.2909)

Have a look what the booklet for  
Yxy(53.0130, 0.3215, 0.2909)  
contains.

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# Color

**Yxy(53.0272, 0.3212, 0.2908)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEB4D6
RGB	222, 180, 214
RGB Percent	87%, 71%, 84%
CMY	0.1296, 0.2940, 0.1609
CMYK	0.00, 0.19, 0.04, 0.13
HSL	311°, 39%, 79%
HSV	311°, 19%, 87%
XYZ	58.5706, 53.0272, 70.7516
YIQ	196.4340, 14.1180, 19.4780

# Conversions

## Conversions Part 2

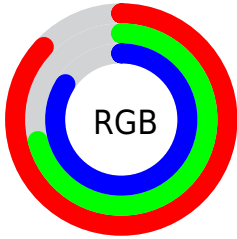
Format	Color
R <sub>Y</sub> B	222, 180, 214
Decimal	14595286
CIE Lab	77.89, 20.78, -11.35
CIE LCh	78, 23.678, 331.362
Yxy	53.0272, 0.3212, 0.2908
Android (android.graphics.Color)	4292785366 (0xFFDEB4D6)
YUV	196.4340, 8.6600, 22.4214
Hunter-Lab	72.8198, 16.1370, -6.6322

# Details

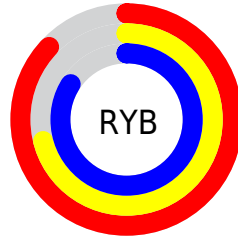
The Yxy color **53.0272, 0.3212, 0.2908** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **65.5568, 0.3052, 0.3705**, and the grayscale version is **55.4157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4709, 0.3136, 0.3107**, and **25.8974, 0.3240, 0.2818** is the 20% darker color. If you saturate the color by 10%, you get **44.5594, 0.3266, 0.2700**, and if you desaturate by 10%, it is **62.9402, 0.3164, 0.3114**.

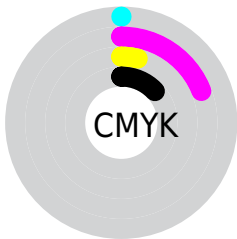
# Distribution



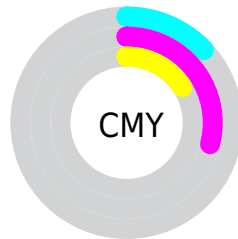
- Red (87%)
- Green (71%)
- Blue (84%)



- Red (87%)
- Yellow (71%)
- Blue (84%)



- Cyan (0%)
- Magenta (19%)
- Yellow (4%)
- Black (13%)




- Cyan (13%)
- Magenta (29%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.0272, 0.3212, 0.2908 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 53.0272, 0.3212, 0.2908 by changing the saturation by 10% instead.




 53.0272, 0.3212,  
0.2908

 53.0272, 0.3212,  
0.2908


398.3895, 0.3173,  
0.3089

 37.8245, 0.3221,  
0.2866


 94.6444, 0.3199,  
0.2972

 25.8465, 0.3231,  
0.2813


121.8277, 0.3193,  
0.2996

 16.7088, 0.3245,  
0.2745


153.7732, 0.3189,  
0.3017

 10.0271, 0.3262,  
0.2654

190.8655, 0.3185,  
0.3035

 5.4169, 0.3285,  
0.2528

233.4889, 0.3181,  
0.3051

 2.4939, 0.3317,  
0.2341

282.0277, 0.3178,

 0.8736, 0.3361,

0.3065

0.2037

336.8665, 0.3176,  
0.3078

0.0000, 0.3461,  
0.0000

0.0000, 0.0000,  
0.0000

53.0272, 0.3212,  
0.2908

53.0272, 0.3212,  
0.2908

44.5594, 0.3266,  
0.2700

62.9402, 0.3164,  
0.3114

37.4618, 0.3328,  
0.2496

74.3551, 0.3123,  
0.3311

31.6627, 0.3395,  
0.2304

87.3341, 0.3088,  
0.3499

27.0817, 0.3466,  
0.2135

92.8050, 0.3061,  
0.3539

■ 23.6290, 0.3541,  
0.1999

■ 93.0463, 0.3037,  
0.3494

■ 21.2025, 0.3615,  
0.1904

■ 93.2935, 0.3014,  
0.3450

■ 19.6816, 0.3688,  
0.1854

■ 93.5465, 0.2991,  
0.3406

■ 18.8794, 0.3758,  
0.1848

■ 93.8053, 0.2968,  
0.3363

■ 18.8069, 0.3765,  
0.1848

■ 94.0701, 0.2945,  
0.3320

# Harmonies

## Analogous

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



53.0272, 0.2897, 0.2786



53.0272, 0.3212, 0.2908



53.0272, 0.3517, 0.3120

# Triad

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



53.0272, 0.3212, 0.2908



53.0272, 0.3607, 0.3811



53.0272, 0.2569, 0.3153

# Complementary

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



53.0272, 0.3212, 0.2908



65.5568, 0.3052, 0.3705

# 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.



53.0272, 0.2742, 0.3456



53.0272, 0.3212, 0.2908



53.0272, 0.3337, 0.3852

# Square

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



53.0272, 0.3212, 0.2908



53.0272, 0.3750, 0.3631



53.0272, 0.3020, 0.3722



53.0272, 0.2539, 0.2909



# Rectangle

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



53.0272, 0.3212, 0.2908



53.0272, 0.3668, 0.3291



53.0272, 0.3020, 0.3722



53.0272, 0.2612, 0.3251

# Sweetspot

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



53.0295, 0.3212, 0.2908



90.4376, 0.3152, 0.3171



48.5794, 0.2874, 0.2783



19.1445, 0.3155, 0.3158



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.



53.0295, 0.3212, 0.2908



67.4199, 0.3235, 0.2819



52.0394, 0.3382, 0.3138



13.8886, 0.3167, 0.3102



11.1915, 0.3756, 0.1843



0.7874, 0.3656, 0.1788



# Inverse Universe

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



53.0295, 0.3212, 0.2908



67.4199, 0.3235, 0.2819



66.5134, 0.2924, 0.3448



13.8886, 0.3167, 0.3102



11.1915, 0.3756, 0.1843



0.7874, 0.3656, 0.1788



# Previews

## White Background



This preview shows how the Yxy color 53.0272, 0.3212, 0.2908 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

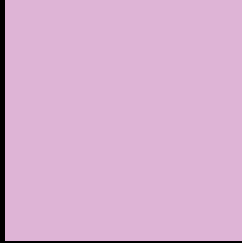
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.0272, 0.3212, 0.2908 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

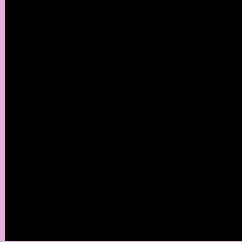
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.0272, 0.3212, 0.2908**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.0272, 0.3212, 0.2908.



This preview shows how white text looks on a background with the Yxy color 53.0272, 0.3212, 0.2908.

# 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

53.0272, 0.3212, 0.2908

### Protanopia

53.1734, 0.2888, 0.2930

### Deuteranopia

53.3271, 0.3052, 0.2995



## Tritanopia

53.1138, 0.3330, 0.3129

# Trichromacy



**Original Color**

53.0272, 0.3212, 0.2908

**Protanomaly**

52.8820, 0.3000, 0.2925

**Deuteranomaly**

53.0573, 0.3110, 0.2965

**Tritanomaly**

53.1398, 0.3291, 0.3050

# Monochromacy



**Original Color**

53.0272, 0.3212, 0.2908

**Achromatopsia**

55.2011, 0.3127, 0.3290

**Achromatomaly**

54.1178, 0.3151, 0.3136

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.0272, 0.3212, 0.2908 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(222, 180, 214)` looks like.

```
.text, #text, p{  
    color:rgb(222, 180, 214)  
}
```

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(222, 180, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 180, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 53.0272, 0.3212, 0.2908 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(222, 180, 214) }
```

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

```
.border{ border-color:rgb(222, 180, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 180, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 180, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 180, 214);  
box-shadow:4px 4px 4px 4px rgb(222, 180,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.0272, 0.3212, 0.2908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 180, 214) }
```

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

```
.background{ background-color: rgb(222,  
180, 214) }
```

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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