

# Converting Colors

$Y_{xy}(40.7063, 0.3585, 0.2945)$

Have a look what the booklet for  
Yxy(40.7063, 0.3585, 0.2945)  
contains.

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# Color

**Yxy(40.7553, 0.3582, 0.2950)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DF96B3
RGB	223, 150, 179
RGB Percent	87%, 59%, 70%
CMY	0.1253, 0.4118, 0.2980
CMYK	0.00, 0.33, 0.20, 0.13
HSL	336°, 53%, 73%
HSV	336°, 33%, 87%
XYZ	49.4866, 40.7553, 47.9117
YIQ	175.1330, 34.1990, 24.4950

# Conversions

## Conversions Part 2

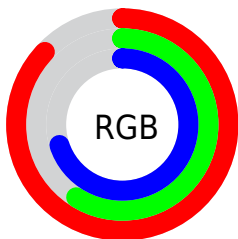
Format	Color
R <sub>YB</sub>	223, 150, 179
Decimal	14653107
CIE <sub>Lab</sub>	70.00, 31.53, -3.84
CIE <sub>LCh</sub>	70, 31.766, 353.060
Yxy	40.7553, 0.3582, 0.2950
Android (android.graphics.Color)	4292843187 (0xFFDF96B3)
YUV	175.1330, 1.9064, 41.9794
Hunter-Lab	63.8399, 26.6476, 0.1909

# Details

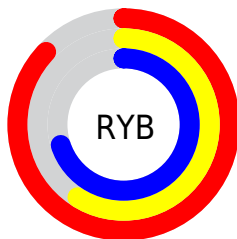
The Yxy color **40.7553, 0.3582, 0.2950** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **63.1801, 0.2823, 0.3661**, and the grayscale version is **42.9203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9208, 0.3292, 0.2990**, and **18.4572, 0.3728, 0.2859** is the 20% darker color. If you saturate the color by 10%, you get **33.7868, 0.3786, 0.2845**, and if you desaturate by 10%, it is **49.1353, 0.3412, 0.3058**.

# Distribution



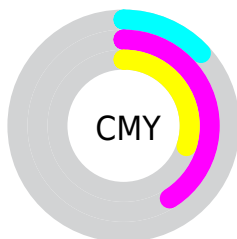
- Red (87%)
- Green (59%)
- Blue (70%)



- Red (87%)
- Yellow (59%)
- Blue (70%)



- Cyan (0%)
- Magenta (33%)
- Yellow (20%)
- Black (13%)




- Cyan (13%)
- Magenta (41%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.7553, 0.3582, 0.2950 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 40.7553, 0.3582, 0.2950 by changing the saturation by 10% instead.





 40.7553, 0.3582,  
0.2950


 40.7553, 0.3582,  
0.2950


349.2969, 0.3351,  
0.3120

 28.1279, 0.3641,  
0.2907


 76.3123, 0.3497,  
0.3012

 18.4221, 0.3716,  
0.2853


 100.0107, 0.3466,  
0.3035

 11.2535, 0.3818,  
0.2780


128.1683, 0.3439,  
0.3055

 6.2376, 0.3963,  
0.2678

161.1693, 0.3417,  
0.3072

 2.9901, 0.4182,  
0.2526

199.3983, 0.3397,  
0.3086

 1.1266, 0.4552,  
0.2277

243.2397, 0.3380,

 0.0005, 0.7409,

0.3099

0.0004

293.0777, 0.3365,  
0.3110

0.0000, 0.0000,  
0.0000

40.7553, 0.3582,  
0.2950

40.7553, 0.3582,  
0.2950

33.7868, 0.3786,  
0.2845

49.1353, 0.3412,  
0.3058

28.1456, 0.4026,  
0.2749

58.9937, 0.3271,  
0.3163

23.7471, 0.4300,  
0.2674

70.3997, 0.3155,  
0.3264

20.4946, 0.4600,  
0.2632

83.4166, 0.3060,  
0.3357

18.2767, 0.4913,  
0.2636

93.8837, 0.2982,  
0.3379

■ 16.9595, 0.5215,  
0.2692

■ 94.4359, 0.2935,  
0.3289

■ 16.4108, 0.5419,  
0.2759

# Harmonies

## Analogous

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



40.7553, 0.3112, 0.2684



40.7553, 0.3582, 0.2950



40.7553, 0.3938, 0.3300

# Triad

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



40.7553, 0.3582, 0.2950



40.7553, 0.3543, 0.4130



40.7553, 0.2278, 0.2809

# Complementary

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



40.7553, 0.3582, 0.2950



63.1801, 0.2823, 0.3661

# 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.



40.7553, 0.2374, 0.3195



40.7553, 0.3582, 0.2950



40.7553, 0.3087, 0.4019

# Square

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



40.7553, 0.3582, 0.2950



40.7553, 0.3903, 0.3981



40.7553, 0.2662, 0.3657



40.7553, 0.2385, 0.2589



# Rectangle

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



40.7553, 0.3582, 0.2950



40.7553, 0.4047, 0.3549



40.7553, 0.2662, 0.3657



40.7553, 0.2287, 0.2922

# Sweetspot

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



40.7572, 0.3582, 0.2950



83.8451, 0.3238, 0.3191



38.5823, 0.2904, 0.2413



17.4977, 0.3255, 0.3176



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.



40.7572, 0.3582, 0.2950



48.8292, 0.3711, 0.2881



42.1083, 0.3857, 0.3379



13.7903, 0.3230, 0.3197



9.6653, 0.5381, 0.2738



0.6873, 0.4971, 0.2512



# Inverse Universe

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



40.7572, 0.3582, 0.2950



48.8292, 0.3711, 0.2881



60.7927, 0.2651, 0.3198



13.7903, 0.3230, 0.3197



9.6653, 0.5381, 0.2738



0.6873, 0.4971, 0.2512



# Previews

## White Background



This preview shows how the Yxy color 40.7553, 0.3582, 0.2950 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

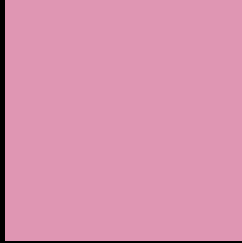
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 40.7553, 0.3582, 0.2950 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 40.7553, 0.3582, 0.2950**

## Background



This preview shows how black text looks on a background with the Yxy color 40.7553, 0.3582, 0.2950.



This preview shows how white text looks on a background with the Yxy color 40.7553, 0.3582, 0.2950.

# 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

40.7553, 0.3582, 0.2950

### Protanopia

40.9461, 0.2948, 0.3007

### Deuteranopia

40.8461, 0.3226, 0.3158



## Tritanopia

40.8350, 0.3708, 0.3160

# Trichromacy



**Original Color**

40.7553, 0.3582, 0.2950

**Protanomaly**

40.6011, 0.3160, 0.2980

**Deuteranomaly**

40.4581, 0.3348, 0.3074

**Tritanomaly**

40.8506, 0.3669, 0.3089

# Monochromacy



**Original Color**

40.7553, 0.3582, 0.2950

**Achromatopsia**

42.8690, 0.3127, 0.3290

**Achromatomaly**

41.6135, 0.3282, 0.3161

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.7553, 0.3582, 0.2950 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(223, 150, 179)` looks like.

```
.text, #text, p{  
    color:rgb(223, 150, 179)  
}
```

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(223, 150, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 150, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 40.7553, 0.3582, 0.2950 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(223, 150, 179) }
```

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

```
.border{ border-color:rgb(223, 150, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 150, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 150, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 150, 179);  
box-shadow:4px 4px 4px 4px rgb(223, 150,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.7553, 0.3582, 0.2950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 150, 179) }
```

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

```
.background{ background-color: rgb(223,  
150, 179) }
```

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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