

# Converting Colors

$Y_{xy}(37.8233, 0.3531, 0.3014)$

Have a look what the booklet for  
Yxy(37.8233, 0.3531, 0.3014)  
contains.

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# Color

**Yxy(37.6754, 0.3528, 0.3005)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D194AB
RGB	209, 148, 171
RGB Percent	82%, 58%, 67%
CMY	0.1804, 0.4196, 0.3294
CMYK	0.00, 0.29, 0.18, 0.18
HSL	337°, 40%, 70%
HSV	337°, 29%, 82%
XYZ	44.2325, 37.6754, 43.4678
YIQ	168.8610, 28.9730, 20.0850

# Conversions

## Conversions Part 2

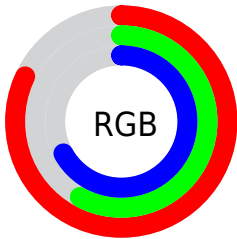
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 148, 171
Decimal	13735083
CIE Lab	67.78, 26.35, -2.82
CIE LCh	68, 26.496, 353.900
Yxy	37.6754, 0.3528, 0.3005
Android (android.graphics.Color)	4291925163 (0xFFD194AB)
YUV	168.8610, 1.0545, 35.2019
Hunter-Lab	61.3803, 21.2172, 0.9787

# Details

The Yxy color **37.6754, 0.3528, 0.3005** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **55.4378, 0.2846, 0.3596**, and the grayscale version is **39.5887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.4629, 0.3360, 0.3058**, and **16.7513, 0.3655, 0.2925** is the 20% darker color. If you saturate the color by 10%, you get **31.2293, 0.3725, 0.2904**, and if you desaturate by 10%, it is **45.3576, 0.3364, 0.3107**.

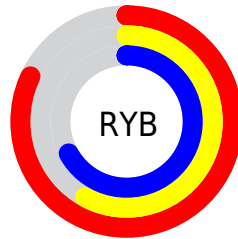
# Distribution



Red (82%)

Green (58%)

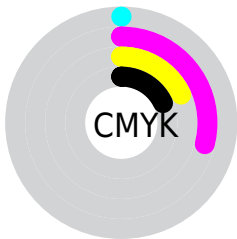
Blue (67%)



Red (82%)

Yellow (58%)

Blue (67%)

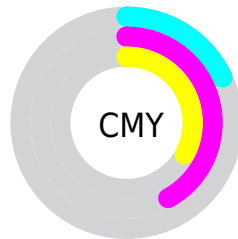


Cyan (0%)

Magenta (29%)

Yellow (18%)

Black (18%)



Cyan (18%)

Magenta (42%)


Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.6754, 0.3528, 0.3005 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 37.6754, 0.3528, 0.3005 by changing the saturation by 10% instead.





 37.6754, 0.3528,  
0.3005


 37.6754, 0.3528,  
0.3005

336.2255, 0.3322,  
0.3150

 25.7309, 0.3582,  
0.2968


 71.6103, 0.3452,  
0.3059

 16.6224, 0.3651,  
0.2919


 94.3695, 0.3423,  
0.3078

 9.9656, 0.3747,  
0.2854


121.5024, 0.3400,  
0.3095

 5.3762, 0.3884,  
0.2761

153.3933, 0.3379,  
0.3109

 2.4696, 0.4098,  
0.2618

190.4267, 0.3362,  
0.3122

 0.8614, 0.4477,  
0.2371

232.9869, 0.3347,

 0.0000, 1.0000,


0.3133


0.0000


281.4584, 0.3333,  
0.3142


 0.0000, 0.0000,  
0.0000

 37.6754, 0.3528,  
0.3005


 37.6754, 0.3528,  
0.3005


 31.2293, 0.3725,  
0.2904

 45.3576, 0.3364,  
0.3107

 25.9488, 0.3959,  
0.2809

 54.3308, 0.3229,  
0.3205


 21.7645, 0.4230,  
0.2730

 64.6532, 0.3119,  
0.3297

 18.5974, 0.4533,  
0.2679

 76.3777, 0.3028,  
0.3383

 16.3577, 0.4855,  
0.2667

 89.5543, 0.2954,  
0.3462

■ 14.9396, 0.5173,  
0.2706

■ 91.9208, 0.2885,  
0.3350

■ 14.1681, 0.5468,  
0.2791

■ 92.2937, 0.2855,  
0.3289

■ 14.1152, 0.5492,  
0.2799

# Harmonies

## Analogous

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



37.6754, 0.3128, 0.2769



37.6754, 0.3528, 0.3005



37.6754, 0.3826, 0.3313

# Triad

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



37.6754, 0.3528, 0.3005



37.6754, 0.3478, 0.4006



37.6754, 0.2392, 0.2873

# Complementary

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



37.6754, 0.3528, 0.3005



55.4378, 0.2846, 0.3596

# 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.



37.6754, 0.2472, 0.3203



37.6754, 0.3528, 0.3005



37.6754, 0.3086, 0.3900

# Square

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



37.6754, 0.3528, 0.3005



37.6754, 0.3788, 0.3894



37.6754, 0.2720, 0.3592



37.6754, 0.2490, 0.2682



# Rectangle

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



37.6754, 0.3528, 0.3005



37.6754, 0.3915, 0.3529



37.6754, 0.2720, 0.3592



37.6754, 0.2398, 0.2970

# Sweetspot

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



37.6771, 0.3528, 0.3005



85.3344, 0.3228, 0.3206



36.1769, 0.2945, 0.2521



17.7932, 0.3247, 0.3191



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.



37.6771, 0.3528, 0.3005



52.5836, 0.3647, 0.2942



39.1765, 0.3744, 0.3382



11.8809, 0.3232, 0.3203



8.7217, 0.5454, 0.2778



0.5029, 0.4954, 0.2503



# Inverse Universe

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



37.6771, 0.3528, 0.3005



52.5836, 0.3647, 0.2942



53.0823, 0.2698, 0.3196



11.8809, 0.3232, 0.3203



8.7217, 0.5454, 0.2778



0.5029, 0.4954, 0.2503



# Previews

## White Background



This preview shows how the Yxy color 37.6754, 0.3528, 0.3005 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

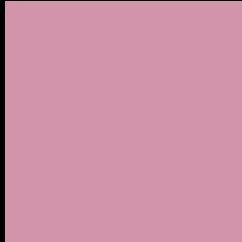
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.6754, 0.3528, 0.3005 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

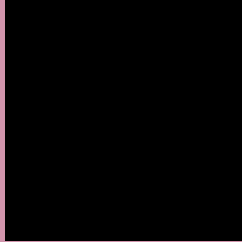
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.6754, 0.3528, 0.3005**

## **Background**



This preview shows how black text looks on a background with the Yxy color 37.6754, 0.3528, 0.3005.



This preview shows how white text looks on a background with the Yxy color 37.6754, 0.3528, 0.3005.

# 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

37.6754, 0.3528, 0.3005

### Protanopia

37.7796, 0.2983, 0.3052

### Deuteranopia

37.7095, 0.3239, 0.3168



## Tritanopia

37.7958, 0.3616, 0.3153

# Trichromacy



**Original Color**

37.6754, 0.3528, 0.3005

**Protanomaly**

37.3313, 0.3168, 0.3034

**Deuteranomaly**

37.7556, 0.3342, 0.3106

**Tritanomaly**

37.6214, 0.3578, 0.3090

# Monochromacy



**Original Color**

37.6754, 0.3528, 0.3005

**Achromatopsia**

39.6755, 0.3127, 0.3290

**Achromatomaly**

38.5824, 0.3267, 0.3169

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.6754, 0.3528, 0.3005 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(209, 148, 171)` looks like.

```
.text, #text, p{  
    color:rgb(209, 148, 171)  
}
```

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(209, 148, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 148, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 37.6754, 0.3528, 0.3005 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(209, 148, 171) }
```

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

```
.border{ border-color:rgb(209, 148, 171) }
```

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

Here you see how a box with a 4 pixel rgb(209, 148, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 148, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 148, 171);  
box-shadow:4px 4px 4px 4px rgb(209, 148,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.6754, 0.3528, 0.3005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 148, 171) }
```

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

```
.background{ background-color: rgb(209,  
148, 171) }
```

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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