

# Converting Colors

$Y_{xy}(36.1115, 0.3705, 0.2920)$

Have a look what the booklet for  
Yxy(36.1115, 0.3705, 0.2920)  
contains.

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# Color

**Yxy(36.0906, 0.3711, 0.2922)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DD89A8
RGB	221, 137, 168
RGB Percent	87%, 54%, 66%
CMY	0.1332, 0.4628, 0.3412
CMYK	0.00, 0.38, 0.24, 0.13
HSL	338°, 55%, 70%
HSV	338°, 38%, 87%
XYZ	45.8358, 36.0906, 41.5869
YIQ	165.6500, 40.1130, 27.4490

# Conversions

## Conversions Part 2

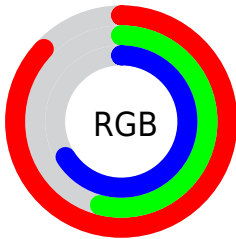
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	221, 137, 168
Decimal	14518696
CIE <sub>Lab</sub>	66.59, 36.11, -2.71
CIE <sub>LCh</sub>	67, 36.210, 355.701
Yxy	36.0906, 0.3711, 0.2922
Android (android.graphics.Color)	4292708776 (0xFFDD89A8)
YUV	165.6500, 1.1586, 48.5420
Hunter-Lab	60.0755, 31.0582, 1.0096

# Details

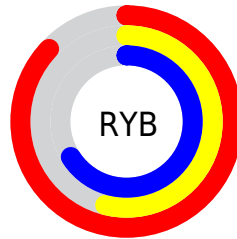
The Yxy color **36.0906, 0.3711, 0.2922** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.7619, 0.2768, 0.3698**, and the grayscale version is **37.9358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2870, 0.3398, 0.2976**, and **15.6505, 0.3894, 0.2807** is the 20% darker color. If you saturate the color by 10%, you get **29.9470, 0.3946, 0.2828**, and if you desaturate by 10%, it is **43.5804, 0.3514, 0.3022**.

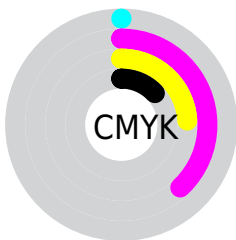
# Distribution



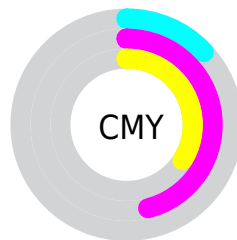
- Red (87%)
- Green (54%)
- Blue (66%)



- Red (87%)
- Yellow (54%)
- Blue (66%)



- Cyan (0%)
- Magenta (38%)
- Yellow (24%)
- Black (13%)




- Cyan (13%)
- Magenta (46%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.0906, 0.3711, 0.2922 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 36.0906, 0.3711, 0.2922 by changing the saturation by 10% instead.





 36.0906, 0.3711,  
0.2922


 36.0906, 0.3711,  
0.2922


329.3564, 0.3409,  
0.3111


 24.5042, 0.3790,  
0.2873


 69.1719, 0.3599,  
0.2992

 15.7080, 0.3893,  
0.2810


 91.4355, 0.3557,  
0.3018

 9.3178, 0.4035,  
0.2724


 118.0270, 0.3522,  
0.3039

 4.9490, 0.4239,  
0.2602

149.3308, 0.3493,  
0.3058

 2.2174, 0.4558,  
0.2414

185.7312, 0.3467,  
0.3074

 0.7295, 0.5134,  
0.2071

227.6127, 0.3445,

 0.0000, 1.0000,

0.3088


0.0000

275.3596, 0.3426,  
0.3100

 0.0000, 0.0000,  
0.0000

 36.0906, 0.3711,  
0.2922


 36.0906, 0.3711,  
0.2922

 29.9470, 0.3946,  
0.2828


 43.5804, 0.3514,  
0.3022


 25.0636, 0.4218,  
0.2749


 52.4853, 0.3351,  
0.3121

 21.3523, 0.4524,  
0.2696


 62.8756, 0.3217,  
0.3217

 18.7116, 0.4851,  
0.2682

 74.8156, 0.3107,  
0.3307


 17.0221, 0.5177,  
0.2718

 88.3656, 0.3017,  
0.3391

 16.1151, 0.5476,  
0.2803

 93.9044, 0.2941,  
0.3323

 15.9773, 0.5533,  
0.2822

 94.1156, 0.2923,  
0.3289

# Harmonies

## Analogous

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



36.0906, 0.3155, 0.2606



36.0906, 0.3711, 0.2922



36.0906, 0.4117, 0.3330

# Triad

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



36.0906, 0.3711, 0.2922



36.0906, 0.3565, 0.4294



36.0906, 0.2137, 0.2684

# Complementary

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



36.0906, 0.3711, 0.2922



60.7619, 0.2768, 0.3698

# 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.



36.0906, 0.2224, 0.3122



36.0906, 0.3711, 0.2922



36.0906, 0.3025, 0.4141

# Square

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



36.0906, 0.3711, 0.2922



36.0906, 0.4010, 0.4123



36.0906, 0.2538, 0.3680



36.0906, 0.2280, 0.2455



# Rectangle

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



36.0906, 0.3711, 0.2922



36.0906, 0.4225, 0.3618



36.0906, 0.2538, 0.3680



36.0906, 0.2140, 0.2809

# Sweetspot

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



36.0923, 0.3711, 0.2922



82.3024, 0.3255, 0.3188



33.9067, 0.2871, 0.2267



17.1883, 0.3273, 0.3175



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.



36.0923, 0.3711, 0.2922



42.6854, 0.3904, 0.2843



37.9867, 0.4018, 0.3411



13.1305, 0.3234, 0.3204



9.2994, 0.5492, 0.2799



0.6188, 0.5045, 0.2553



# Inverse Universe

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



36.0923, 0.3711, 0.2922



42.6854, 0.3904, 0.2843



57.2371, 0.2582, 0.3163



13.1305, 0.3234, 0.3204



9.2994, 0.5492, 0.2799



0.6188, 0.5045, 0.2553



# Previews

## White Background



This preview shows how the Yxy color 36.0906, 0.3711, 0.2922 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

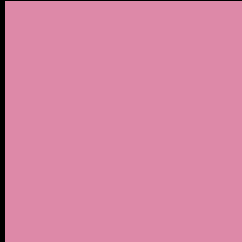
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 36.0906, 0.3711, 0.2922 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

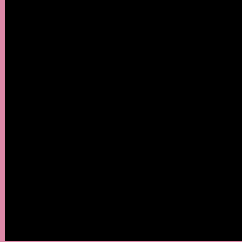
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 36.0906, 0.3711, 0.2922**

## **Background**



This preview shows how black text looks on a background with the Yxy color 36.0906, 0.3711, 0.2922.



This preview shows how white text looks on a background with the Yxy color 36.0906, 0.3711, 0.2922.

# 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**

36.0906, 0.3711, 0.2922

**Protanopia**

36.2796, 0.2922, 0.2979

**Deuteranopia**

36.1414, 0.3259, 0.3193



## Tritanopia

36.0506, 0.3871, 0.3159

# Trichromacy



## Original Color

36.0906, 0.3711, 0.2922

## Protanomaly

35.6159, 0.3183, 0.2940

## Deuteranomaly

35.8668, 0.3422, 0.3092

## Tritanomaly

36.1152, 0.3817, 0.3075

# Monochromacy



## Original Color

36.0906, 0.3711, 0.2922

## Achromatopsia

38.1326, 0.3127, 0.3290

## Achromatomaly

36.6718, 0.3323, 0.3129

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.0906, 0.3711, 0.2922 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(221, 137, 168)` looks like.

```
.text, #text, p{  
    color:rgb(221, 137, 168)  
}
```

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(221, 137, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 137, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 36.0906, 0.3711, 0.2922 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(221, 137, 168) }
```

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

```
.border{ border-color:rgb(221, 137, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 137, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 137, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 137, 168);  
box-shadow:4px 4px 4px 4px rgb(221, 137,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.0906, 0.3711, 0.2922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 137, 168) }
```

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

```
.background{ background-color: rgb(221,  
137, 168) }
```

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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