

# Converting Colors

Yxy(36.9127, 0.3443, 0.2649)

Have a look what the booklet for  
Yxy(36.9127, 0.3443, 0.2649)  
contains.

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# Color

**Yxy(36.9127, 0.3443, 0.2649)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DC89C0
RGB	220, 137, 192
RGB Percent	86%, 54%, 75%
CMY	0.1372, 0.4627, 0.2471
CMYK	0.00, 0.38, 0.13, 0.14
HSL	320°, 54%, 70%
HSV	320°, 38%, 86%
XYZ	47.9768, 36.9127, 54.4563
YIQ	168.0870, 31.8130, 34.7010

# Conversions

## Conversions Part 2

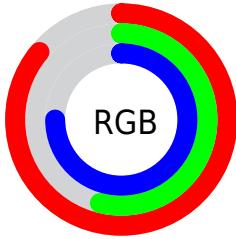
Format	Color
R <sub>Y</sub> B	220, 137, 192
Decimal	14453184
CIE Lab	67.21, 39.44, -15.29
CIE LCh	67, 42.297, 338.813
Yxy	36.9127, 0.3443, 0.2649
Android (android.graphics.Color)	4292643264 (0xFFDC89C0)
YUV	168.0870, 11.7891, 45.5277
Hunter-Lab	60.7558, 34.6325, -10.6134

# Details

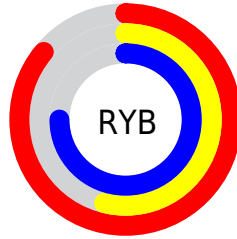
The Yxy color **36.9127, 0.3443, 0.2649** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **59.2296, 0.2911, 0.4037**, and the grayscale version is **39.1329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7366, 0.3207, 0.2737**, and **16.1185, 0.3529, 0.2480** is the 20% darker color. If you saturate the color by 10%, you get **30.9632, 0.3560, 0.2485**, and if you desaturate by 10%, it is **44.1575, 0.3341, 0.2822**.

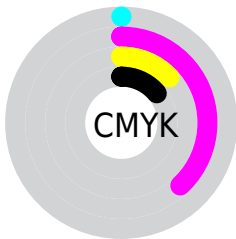
# Distribution



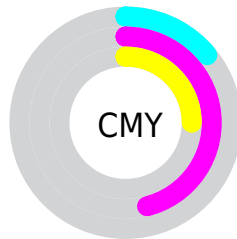
- Red (86%)
- Green (54%)
- Blue (75%)



- Red (86%)
- Yellow (54%)
- Blue (75%)



- Cyan (0%)
- Magenta (38%)
- Yellow (13%)
- Black (14%)




- Cyan (14%)
- Magenta (46%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.9127, 0.3443, 0.2649 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 36.9127, 0.3443, 0.2649 by changing the saturation by 10% instead.





 36.9127, 0.3443,  
0.2649


 36.9127, 0.3443,  
0.2649

332.9324, 0.3288,  
0.2964


 25.1399, 0.3481,  
0.2572


 70.4385, 0.3387,  
0.2762

 16.1813, 0.3529,  
0.2475


 92.9603, 0.3366,  
0.2805

 9.6526, 0.3592,  
0.2348


 119.8339, 0.3348,  
0.2841

 5.1692, 0.3679,  
0.2175

151.4436, 0.3332,  
0.2873

 2.3469, 0.3803,  
0.1928

188.1740, 0.3319,  
0.2900

 0.7984, 0.3996,  
0.1546

230.4093, 0.3307,

 0.0000, 0.4774,

0.2924

0.0000

278.5340, 0.3297,  
0.2945

0.0000, 0.0000,  
0.0000

36.9127, 0.3443,  
0.2649

36.9127, 0.3443,  
0.2649

30.9632, 0.3560,  
0.2485

44.1575, 0.3341,  
0.2822

26.2256, 0.3690,  
0.2338

52.7642, 0.3252,  
0.2995

22.6147, 0.3831,  
0.2221

62.8008, 0.3177,  
0.3165


20.0323, 0.3978,  
0.2145


74.3293, 0.3114,  
0.3326

18.3626, 0.4127,  
0.2116


87.4082, 0.3061,  
0.3477

 17.4458, 0.4272,  
0.2137

 92.8263, 0.3017,  
0.3479

 17.2847, 0.4306,  
0.2145

 93.2685, 0.2977,  
0.3402

 93.7289, 0.2936,  
0.3326

 93.9578, 0.2917,  
0.3289

# Harmonies

## Analogous

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



36.9127, 0.2802, 0.2380



36.9127, 0.3443, 0.2649



36.9127, 0.4045, 0.3057

# Triad

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



36.9127, 0.3443, 0.2649



36.9127, 0.3934, 0.4372



36.9127, 0.2021, 0.2839

# Complementary

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



36.9127, 0.3443, 0.2649



59.2296, 0.2911, 0.4037

# 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.



36.9127, 0.2261, 0.3450



36.9127, 0.3443, 0.2649



36.9127, 0.3351, 0.4439

# Square

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



36.9127, 0.3443, 0.2649



36.9127, 0.4322, 0.4012



36.9127, 0.2739, 0.4087



36.9127, 0.2039, 0.2445



# Rectangle

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



36.9127, 0.3443, 0.2649



36.9127, 0.4307, 0.3374



36.9127, 0.2739, 0.4087



36.9127, 0.2072, 0.3024

# Sweetspot

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



36.9144, 0.3443, 0.2649



82.7958, 0.3201, 0.3109



31.0237, 0.2664, 0.2215



17.3058, 0.3211, 0.3085



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.



36.9144, 0.3443, 0.2649



45.0604, 0.3531, 0.2522



35.3383, 0.3894, 0.3125



13.1962, 0.3189, 0.3136



10.1643, 0.4284, 0.2134



0.6743, 0.4065, 0.2013



# Inverse Universe

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



36.9144, 0.3443, 0.2649



45.0604, 0.3531, 0.2522



60.9769, 0.2677, 0.3468



13.1962, 0.3189, 0.3136



10.1643, 0.4284, 0.2134

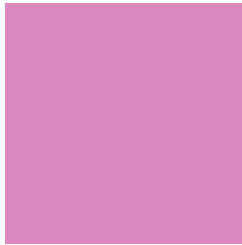


0.6743, 0.4065, 0.2013



# Previews

## White Background



This preview shows how the Yxy color 36.9127, 0.3443, 0.2649 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

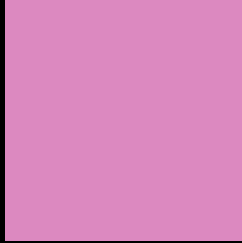
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 36.9127, 0.3443, 0.2649 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

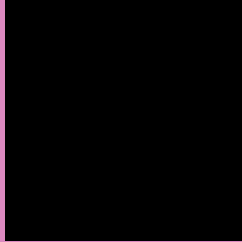
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 36.9127, 0.3443, 0.2649**

## Background



This preview shows how black text looks on a background with the Yxy color 36.9127, 0.3443, 0.2649.



This preview shows how white text looks on a background with the Yxy color 36.9127, 0.3443, 0.2649.

# 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

36.9127, 0.3443, 0.2649

### Protanopia

37.1195, 0.2670, 0.2651

### Deuteranopia

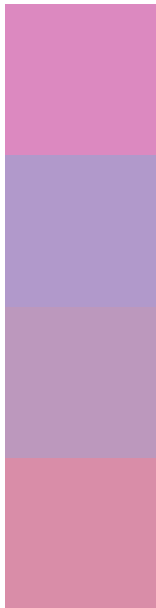
37.2075, 0.2970, 0.2907



## Tritanopia

36.9120, 0.3781, 0.3157

# Trichromacy



**Original Color**

36.9127, 0.3443, 0.2649

**Protanomaly**

36.4414, 0.2917, 0.2638

**Deuteranomaly**

36.8220, 0.3140, 0.2810

**Tritanomaly**

36.6286, 0.3659, 0.2964

# Monochromacy



**Original Color**

36.9127, 0.3443, 0.2649

**Achromatopsia**

39.1572, 0.3127, 0.3290

**Achromatomaly**

37.8531, 0.3236, 0.3026

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.9127, 0.3443, 0.2649 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, 137, 192)` looks like.

```
.text, #text, p{  
    color:rgb(220, 137, 192)  
}
```

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, 137, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 137, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 36.9127, 0.3443, 0.2649 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, 137, 192) }
```

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

```
.border{ border-color:rgb(220, 137, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 137, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 137, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 137, 192);  
box-shadow:4px 4px 4px 4px rgb(220, 137,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.9127, 0.3443, 0.2649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 137, 192) }
```

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

```
.background{ background-color: rgb(220,  
137, 192) }
```

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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