

# Converting Colors

$Y_{xy}(36.9617, 0.3715, 0.2672)$

Have a look what the booklet for  
Yxy(36.9617, 0.3715, 0.2672)  
contains.

<b>Yxy(36.9036, 0.3718, 0.2675)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(36.9036, 0.3718, 0.2675)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ED80B8
RGB	237, 128, 184
RGB Percent	93%, 50%, 72%
CMY	0.0706, 0.4980, 0.2785
CMYK	0.00, 0.46, 0.22, 0.07
HSL	329°, 75%, 72%
HSV	329°, 46%, 93%
XYZ	51.2926, 36.9036, 49.7612
YIQ	166.9750, 46.9880, 40.5240

# Conversions

## Conversions Part 2

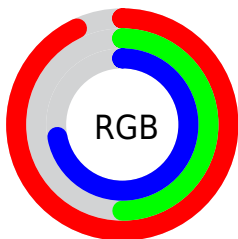
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	237, 128, 184
Decimal	15564984
CIE <sub>Lab</sub>	67.20, 48.44, -10.60
CIE <sub>LCh</sub>	67, 49.581, 347.658
Yxy	36.9036, 0.3718, 0.2675
Android (android.graphics.Color)	4293755064 (0xFFED80B8)
YUV	166.9750, 8.3933, 61.4119
Hunter-Lab	60.7483, 44.4060, -6.0428

# Details

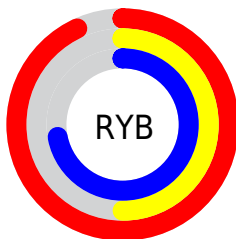
The Yxy color **36.9036, 0.3718, 0.2675** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **68.4899, 0.2788, 0.4018**, and the grayscale version is **38.5737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4182, 0.3274, 0.2721**, and **16.2546, 0.3893, 0.2511** is the 20% darker color. If you saturate the color by 10%, you get **30.9636, 0.3914, 0.2557**, and if you desaturate by 10%, it is **44.3301, 0.3548, 0.2808**.

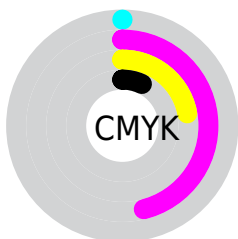
# Distribution



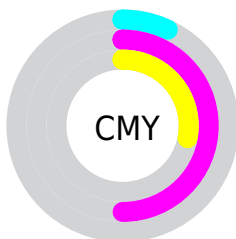
- Red (93%)
- Green (50%)
- Blue (72%)



- Red (93%)
- Yellow (50%)
- Blue (72%)



- Cyan (0%)
- Magenta (46%)
- Yellow (22%)
- Black (7%)



- Cyan (7%)
- Magenta (50%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.9036, 0.3718, 0.2675 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 36.9036, 0.3718, 0.2675 by changing the saturation by 10% instead.




 36.9036, 0.3718,  
0.2675

 36.9036, 0.3718,  
0.2675


332.8930, 0.3419,  
0.2979


 25.1329, 0.3793,  
0.2600


 70.4245, 0.3609,  
0.2785

 16.1761, 0.3891,  
0.2505


 92.9434, 0.3568,  
0.2826

 9.6488, 0.4021,  
0.2381


 119.8139, 0.3534,  
0.2861

 5.1667, 0.4203,  
0.2210

151.4203, 0.3504,  
0.2891

 2.3454, 0.4476,  
0.1964

188.1470, 0.3479,  
0.2918

 0.7976, 0.4927,  
0.1580

230.3784, 0.3456,

 0.0000, 0.6876,

0.2941

0.0000

278.4990, 0.3437,  
0.2961

0.0000, 0.0000,  
0.0000

36.9036, 0.3718,  
0.2675

36.9036, 0.3718,  
0.2675

30.9636, 0.3914,  
0.2557

44.3301, 0.3548,  
0.2808

26.4020, 0.4132,  
0.2465

53.3309, 0.3403,  
0.2946

23.1041, 0.4367,  
0.2412


63.9931, 0.3281,  
0.3083


20.9344, 0.4608,  
0.2409

76.3958, 0.3179,  
0.3215

19.7252, 0.4842,  
0.2461

90.6132, 0.3095,  
0.3339

 19.4013, 0.4934,  
0.2492

 96.6240, 0.3028,  
0.3308

 96.7429, 0.3017,  
0.3290

# Harmonies

## Analogous

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



36.9036, 0.2951, 0.2319



36.9036, 0.3718, 0.2675



36.9036, 0.4362, 0.3166

# Triad

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



36.9036, 0.3718, 0.2675



36.9036, 0.3862, 0.4620



36.9036, 0.1835, 0.2588

# Complementary

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



36.9036, 0.3718, 0.2675



68.4899, 0.2788, 0.4018

# 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.



36.9036, 0.2013, 0.3236



36.9036, 0.3718, 0.2675



36.9036, 0.3156, 0.4588

# Square

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



36.9036, 0.3718, 0.2675



36.9036, 0.4407, 0.4249



36.9036, 0.2480, 0.4032



36.9036, 0.1941, 0.2235



# Rectangle

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



36.9036, 0.3718, 0.2675



36.9036, 0.4582, 0.3531



36.9036, 0.2480, 0.4032



36.9036, 0.1862, 0.2773

# Sweetspot

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



36.9054, 0.3718, 0.2675



78.2315, 0.3260, 0.3109



31.3420, 0.2670, 0.1993



16.1059, 0.3283, 0.3080



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.



36.9054, 0.3718, 0.2675



37.0434, 0.3898, 0.2565



35.0523, 0.4358, 0.3273



15.1832, 0.3212, 0.3170



10.6201, 0.4898, 0.2472



0.8534, 0.4601, 0.2308



# Inverse Universe

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



36.9054, 0.3718, 0.2675



37.0434, 0.3898, 0.2565



71.1614, 0.2522, 0.3310



15.1832, 0.3212, 0.3170



10.6201, 0.4898, 0.2472



0.8534, 0.4601, 0.2308



# Previews

## White Background



This preview shows how the Yxy color 36.9036, 0.3718, 0.2675 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

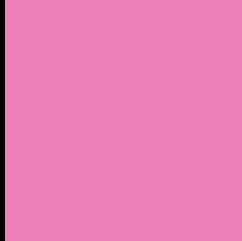
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 36.9036, 0.3718, 0.2675 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

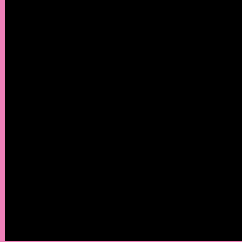
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 36.9036, 0.3718, 0.2675**

## Background



This preview shows how black text looks on a background with the Yxy color 36.9036, 0.3718, 0.2675.



This preview shows how white text looks on a background with the Yxy color 36.9036, 0.3718, 0.2675.

# 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

36.9036, 0.3718, 0.2675

### Protanopia

37.1180, 0.2691, 0.2677

### Deuteranopia

36.9352, 0.3083, 0.3015



## Tritanopia

37.0073, 0.4088, 0.3178

# Trichromacy



## Original Color

36.9036, 0.3718, 0.2675



## Protanomaly

36.1266, 0.3014, 0.2657



## Deuteranomaly

36.2518, 0.3297, 0.2867



## Tritanomaly

36.8055, 0.3948, 0.2986

# Monochromacy



## Original Color

36.9036, 0.3718, 0.2675



## Achromatopsia

38.6429, 0.3127, 0.3290



## Achromatomaly

37.0061, 0.3328, 0.3028

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.9036, 0.3718, 0.2675 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(237, 128, 184)` looks like.

```
.text, #text, p{  
    color:rgb(237, 128, 184)  
}
```

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(237, 128, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 128, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 36.9036, 0.3718, 0.2675 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(237, 128, 184) }
```

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

```
.border{ border-color:rgb(237, 128, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 128, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 128, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 128, 184);  
box-shadow:4px 4px 4px 4px rgb(237, 128,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.9036, 0.3718, 0.2675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 128, 184) }
```

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

```
.background{ background-color: rgb(237,  
128, 184) }
```

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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