

# Converting Colors

$Y_{xy}(33.7466, 0.3717, 0.2599)$

Have a look what the booklet for  
Yxy(33.7466, 0.3717, 0.2599)  
contains.

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# Color

**Yxy(33.6857, 0.3721, 0.2600)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E877B5
RGB	232, 119, 181
RGB Percent	91%, 47%, 71%
CMY	0.0903, 0.5332, 0.2903
CMYK	0.00, 0.49, 0.22, 0.09
HSL	327°, 71%, 69%
HSV	327°, 49%, 91%
XYZ	48.2094, 33.6857, 47.6653
YIQ	159.8550, 47.4460, 43.2380

# Conversions

## Conversions Part 2

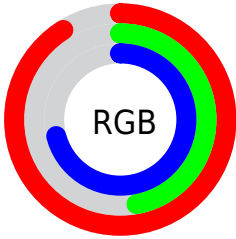
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 119, 181
Decimal	15234997
CIE Lab	64.71, 50.85, -12.70
CIE LCh	65, 52.415, 345.977
Yxy	33.6857, 0.3721, 0.2600
Android (android.graphics.Color)	4293425077 (0xFFE877B5)
YUV	159.8550, 10.4245, 63.2712
Hunter-Lab	58.0394, 46.6990, -8.0648

# Details

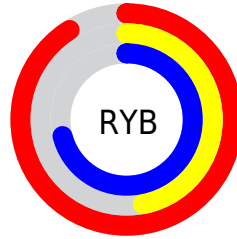
The Yxy color **33.6857, 0.3721, 0.2600** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **64.5292, 0.2795, 0.4125**, and the grayscale version is **35.0207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6465, 0.3306, 0.2659**, and **14.3378, 0.3903, 0.2408** is the 20% darker color. If you saturate the color by 10%, you get **28.4080, 0.3906, 0.2480**, and if you desaturate by 10%, it is **40.3464, 0.3558, 0.2738**.

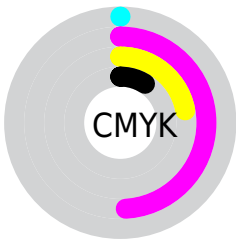
# Distribution



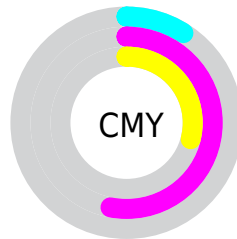
- Red (91%)
- Green (47%)
- Blue (71%)



- Red (91%)
- Yellow (47%)
- Blue (71%)



- Cyan (0%)
- Magenta (49%)
- Yellow (22%)
- Black (9%)




- Cyan (9%)
- Magenta (53%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 33.6857, 0.3721, 0.2600 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 33.6857, 0.3721, 0.2600 by changing the saturation by 10% instead.





 33.6857, 0.3721,  
0.2600


 33.6857, 0.3721,  
0.2600


318.7283, 0.3419,  
0.2943


 22.6523, 0.3798,  
0.2515


 65.4446, 0.3610,  
0.2724

 14.3369, 0.3898,  
0.2407


 86.9389, 0.3569,  
0.2771

 8.3554, 0.4031,  
0.2265


 112.6888, 0.3534,  
0.2811

 4.3232, 0.4220,  
0.2069

143.0789, 0.3504,  
0.2845

 1.8559, 0.4504,  
0.1787

178.4935, 0.3478,  
0.2874

 0.5217, 0.5032,  
0.1255

219.3170, 0.3456,

 0.0000, 0.7322,

0.2900

0.0000

265.9338, 0.3436,  
0.2923

0.0000, 0.0000,  
0.0000

33.6857, 0.3721,  
0.2600

33.6857, 0.3721,  
0.2600

28.4080, 0.3906,  
0.2480

40.3464, 0.3558,  
0.2738

24.4080, 0.4109,  
0.2389

48.4756, 0.3418,  
0.2884

21.5731, 0.4325,  
0.2341


58.1576, 0.3299,  
0.3030


19.7681, 0.4543,  
0.2344

69.4689, 0.3200,  
0.3172


18.7930, 0.4754,  
0.2399

82.4809, 0.3117,  
0.3307

 18.6910, 0.4782,  
0.2408

 95.1936, 0.3049,  
0.3402

 95.8475, 0.2991,  
0.3297

 95.8925, 0.2987,  
0.3290

# Harmonies

## Analogous

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



33.6857, 0.2888, 0.2232



33.6857, 0.3721, 0.2600



33.6857, 0.4443, 0.3115

# Triad

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



33.6857, 0.3721, 0.2600



33.6857, 0.3949, 0.4718



33.6857, 0.1741, 0.2553

# Complementary

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



33.6857, 0.3721, 0.2600



64.5292, 0.2795, 0.4125

# 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.



33.6857, 0.1944, 0.3270



33.6857, 0.3721, 0.2600



33.6857, 0.3191, 0.4735

# Square

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



33.6857, 0.3721, 0.2600



33.6857, 0.4530, 0.4280



33.6857, 0.2456, 0.4152



33.6857, 0.1839, 0.2164



# Rectangle

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



33.6857, 0.3721, 0.2600



33.6857, 0.4699, 0.3501



33.6857, 0.2456, 0.4152



33.6857, 0.1774, 0.2757

# Sweetspot

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



33.6873, 0.3721, 0.2600



76.9141, 0.3261, 0.3082



27.5544, 0.2602, 0.1901



15.8498, 0.3283, 0.3052



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.



33.6873, 0.3721, 0.2600



35.4366, 0.3898, 0.2484



31.8243, 0.4421, 0.3230



14.4996, 0.3207, 0.3162



10.4043, 0.4750, 0.2390



0.7875, 0.4463, 0.2232



# Inverse Universe

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



33.6873, 0.3721, 0.2600



35.4366, 0.3898, 0.2484



67.1352, 0.2513, 0.3359



14.4996, 0.3207, 0.3162



10.4043, 0.4750, 0.2390



0.7875, 0.4463, 0.2232



# Previews

## White Background



This preview shows how the Yxy color 33.6857, 0.3721, 0.2600 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

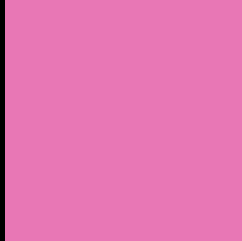
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 33.6857, 0.3721, 0.2600 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 33.6857, 0.3721, 0.2600**

## **Background**



This preview shows how black text looks on a background with the Yxy color 33.6857, 0.3721, 0.2600.



This preview shows how white text looks on a background with the Yxy color 33.6857, 0.3721, 0.2600.

# 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

33.6857, 0.3721, 0.2600

### Protanopia

34.1625, 0.2619, 0.2591

### Deuteranopia

33.7701, 0.3035, 0.2976



## Tritanopia

33.7385, 0.4180, 0.3188

# Trichromacy



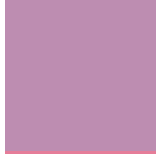
## Original Color

33.6857, 0.3721, 0.2600



## Protanomaly

32.9062, 0.2956, 0.2573



## Deuteranomaly

33.0429, 0.3274, 0.2814



## Tritanomaly

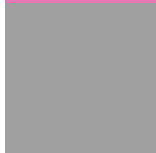
33.6252, 0.4008, 0.2969

# Monochromacy



## Original Color

33.6857, 0.3721, 0.2600



## Achromatopsia

35.1533, 0.3127, 0.3290



## Achromatomaly

33.5171, 0.3328, 0.2979

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 33.6857, 0.3721, 0.2600 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(232, 119, 181)` looks like.

```
.text, #text, p{  
    color:rgb(232, 119, 181)  
}
```

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(232, 119, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 119, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 33.6857, 0.3721, 0.2600 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(232, 119, 181) }
```

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

```
.border{ border-color:rgb(232, 119, 181) }
```

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

Here you see how a box with a 4 pixel rgb(232, 119, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 119, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 119, 181);  
box-shadow:4px 4px 4px 4px rgb(232, 119,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 33.6857, 0.3721, 0.2600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 119, 181) }
```

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

```
.background{ background-color: rgb(232,  
119, 181) }
```

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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