

# Converting Colors

$Y_{xy}(33.4688, 0.3702, 0.2516)$

Have a look what the booklet for  
Yxy(33.4688, 0.3702, 0.2516)  
contains.

<b>Yxy(33.4688, 0.3702, 0.2516)</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(33.4688, 0.3702, 0.2516)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB73BA
RGB	235, 115, 186
RGB Percent	92%, 45%, 73%
CMY	0.0786, 0.5489, 0.2707
CMYK	0.00, 0.51, 0.21, 0.08
HSL	325°, 75%, 69%
HSV	325°, 51%, 92%
XYZ	49.2454, 33.4688, 50.3096
YIQ	158.9740, 48.7290, 47.5210

# Conversions

## Conversions Part 2

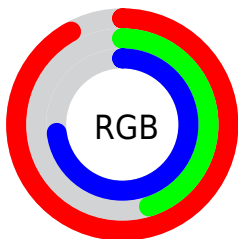
Format	Color
R <sub>Y</sub> B	235, 115, 186
Decimal	15430586
CIE Lab	64.54, 54.44, -15.76
CIE LCh	65, 56.672, 343.855
Yxy	33.4688, 0.3702, 0.2516
Android (android.graphics.Color)	4293620666 (0xFFEB73BA)
YUV	158.9740, 13.3238, 66.6748
Hunter-Lab	57.8522, 50.7028, -11.0634

# Details

The Yxy color **33.4688, 0.3702, 0.2516** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **65.7270, 0.2810, 0.4248**, and the grayscale version is **34.5832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4203, 0.3269, 0.2574**, and **14.2723, 0.3872, 0.2304** is the 20% darker color. If you saturate the color by 10%, you get **28.3810, 0.3870, 0.2392**, and if you desaturate by 10%, it is **39.9528, 0.3552, 0.2661**.

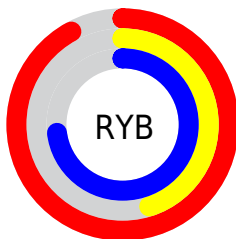
# Distribution



Red (92%)

Green (45%)

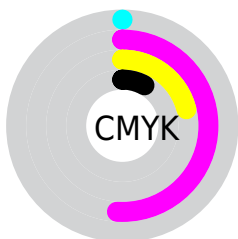
Blue (73%)



Red (92%)

Yellow (45%)

Blue (73%)

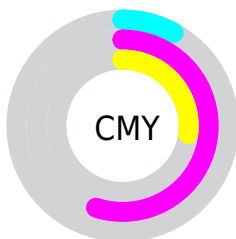


Cyan (0%)

Magenta (51%)

Yellow (21%)

Black (8%)



Cyan (8%)

Magenta (55%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 33.4688, 0.3702, 0.2516 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 33.4688, 0.3702, 0.2516 by changing the saturation by 10% instead.





 33.4688, 0.3702,  
0.2516


 33.4688, 0.3702,  
0.2516


317.7569, 0.3412,  
0.2898


 22.4858, 0.3775,  
0.2423


 65.1068, 0.3596,  
0.2653

 14.2143, 0.3868,  
0.2305


 86.5305, 0.3557,  
0.2705

 8.2699, 0.3992,  
0.2151


 112.2033, 0.3523,  
0.2749

 4.2681, 0.4165,  
0.1942

142.5096, 0.3495,  
0.2787

 1.8246, 0.4421,  
0.1647

177.8337, 0.3470,  
0.2820

 0.5025, 0.4886,  
0.1105

218.5600, 0.3448,


 0.0000, 0.6298,


0.2849


0.0000


265.0729, 0.3429,  
0.2875

 0.0000, 0.0000,  
0.0000


 33.4688, 0.3702,  
0.2516


 33.4688, 0.3702,  
0.2516


 28.3810, 0.3870,  
0.2392


 39.9528, 0.3552,  
0.2661

 24.5782, 0.4053,  
0.2302


 47.9234, 0.3421,  
0.2816

 21.9399, 0.4244,  
0.2256

 57.4691, 0.3309,  
0.2973

 20.3203, 0.4434,  
0.2262

 68.6700, 0.3214,  
0.3128

 19.5210, 0.4601,  
0.2308

 81.6007, 0.3135,  
0.3275

■ 95.6821, 0.3069,  
0.3404

■ 96.2790, 0.3015,  
0.3308

■ 96.3969, 0.3005,  
0.3290

# Harmonies

## Analogous

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



33.4688, 0.2806, 0.2141



33.4688, 0.3702, 0.2516



33.4688, 0.4509, 0.3051

# Triad

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



33.4688, 0.3702, 0.2516



33.4688, 0.4049, 0.4801



33.4688, 0.1652, 0.2531

# Complementary

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



33.4688, 0.3702, 0.2516



65.7270, 0.2810, 0.4248

# 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.



33.4688, 0.1884, 0.3326



33.4688, 0.3702, 0.2516



33.4688, 0.3241, 0.4888

# Square

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



33.4688, 0.3702, 0.2516



33.4688, 0.4659, 0.4291



33.4688, 0.2447, 0.4295



33.4688, 0.1736, 0.2099



# Rectangle

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



33.4688, 0.3702, 0.2516



33.4688, 0.4809, 0.3455



33.4688, 0.2447, 0.4295



33.4688, 0.1693, 0.2757

# Sweetspot

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



33.4704, 0.3702, 0.2516



77.0113, 0.3250, 0.3066



26.0528, 0.2516, 0.1810



15.8733, 0.3270, 0.3034



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.



33.4704, 0.3702, 0.2516



34.0515, 0.3874, 0.2390



31.4589, 0.4444, 0.3162



15.2036, 0.3200, 0.3152



10.8935, 0.4573, 0.2293



0.8744, 0.4332, 0.2160



# Inverse Universe

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



33.4704, 0.3702, 0.2516



34.0515, 0.3874, 0.2390



68.3724, 0.2519, 0.3439



15.2036, 0.3200, 0.3152



10.8935, 0.4573, 0.2293



0.8744, 0.4332, 0.2160



# Previews

## White Background



This preview shows how the Yxy color 33.4688, 0.3702, 0.2516 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

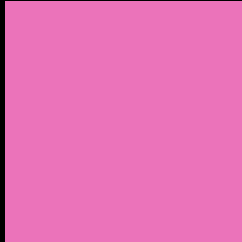
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 33.4688, 0.3702, 0.2516 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

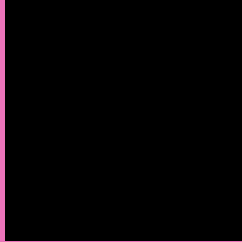
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 33.4688, 0.3702, 0.2516**

## Background



This preview shows how black text looks on a background with the Yxy color 33.4688, 0.3702, 0.2516.



This preview shows how white text looks on a background with the Yxy color 33.4688, 0.3702, 0.2516.

# 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

33.4688, 0.3702, 0.2516

### Protanopia

33.8732, 0.2533, 0.2475

### Deuteranopia

33.6548, 0.2963, 0.2905



## Tritanopia

33.4940, 0.4235, 0.3190

# Trichromacy



**Original Color**

33.4688, 0.3702, 0.2516

**Protanomaly**

32.2298, 0.2886, 0.2450

**Deuteranomaly**

32.5340, 0.3216, 0.2723

**Tritanomaly**

33.4080, 0.4039, 0.2929

# Monochromacy



**Original Color**

33.4688, 0.3702, 0.2516

**Achromatopsia**

34.6704, 0.3127, 0.3290

**Achromatomaly**

33.0743, 0.3331, 0.2940

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 33.4688, 0.3702, 0.2516 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(235, 115, 186)` looks like.

```
.text, #text, p{  
    color:rgb(235, 115, 186)  
}
```

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(235, 115, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 115, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 33.4688, 0.3702, 0.2516 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(235, 115, 186) }
```

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

```
.border{ border-color:rgb(235, 115, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 115, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 115, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 115, 186);  
box-shadow:4px 4px 4px 4px rgb(235, 115,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 33.4688, 0.3702, 0.2516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 115, 186) }
```

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

```
.background{ background-color: rgb(235,  
115, 186) }
```

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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