

Converting Colors

$Y_{xy}(33.9395, 0.3749, 0.2766)$

Have a look what the booklet for
Yxy(33.9395, 0.3749, 0.2766)
contains.

Yxy(33.8695, 0.3748, 0.2768)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.8695, 0.3748, 0.2768)

Conversions

Conversions Part 1

Format	Color
Hex	E17EAB
RGB	225, 126, 171
RGB Percent	88%, 49%, 67%
CMY	0.1176, 0.5058, 0.3295
CMYK	0.00, 0.44, 0.24, 0.12
HSL	333°, 62%, 69%
HSV	333°, 44%, 88%
XYZ	45.8609, 33.8695, 42.6305
YIQ	160.7310, 44.5590, 34.9830

Conversions

Conversions Part 2

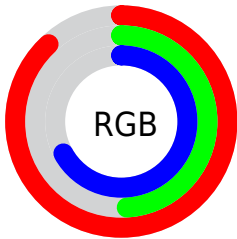
Format	Color
R _Y B	225, 126, 171
Decimal	14778027
CIE Lab	64.86, 43.64, -6.90
CIE LCh	65, 44.180, 351.013
Yxy	33.8695, 0.3748, 0.2768
Android (android.graphics.Color)	4292968107 (0xFFE17EAB)
YUV	160.7310, 5.0626, 56.3639
Hunter-Lab	58.1975, 38.8161, -2.6926

Details

The Yxy color **33.8695, 0.3748, 0.2768** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **61.5859, 0.2768, 0.3894**, and the grayscale version is **35.4705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7987, 0.3388, 0.2834**, and **14.4450, 0.3930, 0.2614** is the 20% darker color. If you saturate the color by 10%, you get **28.3024, 0.3965, 0.2660**, and if you desaturate by 10%, it is **40.7774, 0.3561, 0.2887**.

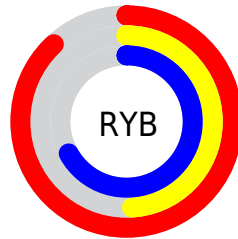
Distribution



Red (88%)

Green (49%)

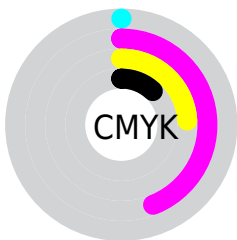
Blue (67%)



Red (88%)

Yellow (49%)

Blue (67%)

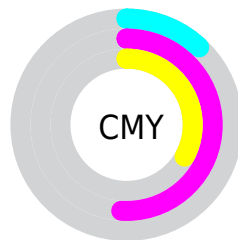


Cyan (0%)

Magenta (44%)

Yellow (24%)

Black (12%)



Cyan (12%)


Magenta (51%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8695, 0.3748, 0.2768 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 33.8695, 0.3748, 0.2768 by changing the saturation by 10% instead.


 33.8695, 0.3748,
0.2768


 33.8695, 0.3748,
0.2768


319.5498, 0.3426,
0.3033


 22.7934, 0.3832,
0.2701


 65.7307, 0.3629,
0.2865

 14.4410, 0.3941,
0.2614


 87.2845, 0.3584,
0.2902

 8.4280, 0.4091,
0.2497


 113.0997, 0.3548,
0.2932

 4.3700, 0.4307,
0.2332

143.5606, 0.3516,
0.2958

 1.8826, 0.4642,
0.2085

179.0517, 0.3489,
0.2981

 0.5379, 0.5294,
0.1572

219.9573, 0.3465,

 0.0000, 1.0000,

0.3001

0.0000

266.6619, 0.3445,
0.3018

0.0000, 0.0000,
0.0000

33.8695, 0.3748,
0.2768

33.8695, 0.3748,
0.2768

28.3024, 0.3965,
0.2660

40.7774, 0.3561,
0.2887

23.9821, 0.4211,
0.2575

49.1018, 0.3404,
0.3010

20.8103, 0.4479,
0.2526


58.9189, 0.3273,
0.3131


18.6714, 0.4757,
0.2524

70.2976, 0.3165,
0.3246

17.4252, 0.5027,
0.2577

83.3028, 0.3076,
0.3354

 16.9710, 0.5183,
0.2629

 94.0999, 0.3003,
0.3394

 94.7481, 0.2946,
0.3289

Harmonies

Analogous

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



33.8695, 0.3045, 0.2416



33.8695, 0.3748, 0.2768



33.8695, 0.4306, 0.3239

Triad

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



33.8695, 0.3748, 0.2768



33.8695, 0.3746, 0.4531



33.8695, 0.1925, 0.2598

Complementary

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



33.8695, 0.3748, 0.2768



61.5859, 0.2768, 0.3894

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.



33.8695, 0.2065, 0.3169



33.8695, 0.3748, 0.2768



33.8695, 0.3088, 0.4434

Square

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



33.8695, 0.3748, 0.2768



33.8695, 0.4269, 0.4235



33.8695, 0.2475, 0.3889



33.8695, 0.2053, 0.2294

Rectangle

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



33.8695, 0.3748, 0.2768



33.8695, 0.4479, 0.3583



33.8695, 0.2475, 0.3889



33.8695, 0.1941, 0.2761

Sweetspot

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



33.8711, 0.3748, 0.2768



79.5317, 0.3262, 0.3141



29.9211, 0.2741, 0.2071



16.3562, 0.3289, 0.3115



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.



33.8711, 0.3748, 0.2768



38.0023, 0.3951, 0.2667



33.2968, 0.4274, 0.3332



13.8035, 0.3221, 0.3184



9.8020, 0.5145, 0.2608



0.6973, 0.4771, 0.2402

Inverse Universe

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



33.8711, 0.3748, 0.2768



38.0023, 0.3951, 0.2667



61.9581, 0.2528, 0.3246



13.8035, 0.3221, 0.3184



9.8020, 0.5145, 0.2608



0.6973, 0.4771, 0.2402

Previews

White Background



This preview shows how the Yxy color 33.8695, 0.3748, 0.2768 looks on a white background.

Color Contrast Check

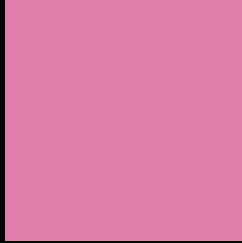
Large Text (above 18pt) WCAG AA × Fail

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 33.8695, 0.3748, 0.2768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

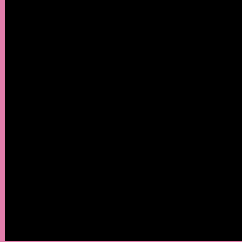
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8695, 0.3748, 0.2768

Background



This preview shows how black text looks on a background with the Yxy color 33.8695, 0.3748, 0.2768.



This preview shows how white text looks on a background with the Yxy color 33.8695, 0.3748, 0.2768.

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

33.8695, 0.3748, 0.2768

Protanopia

34.0226, 0.2777, 0.2790

Deuteranopia

33.9707, 0.3166, 0.3105



Tritanopia

33.9552, 0.4050, 0.3185

Trichromacy



Original Color

33.8695, 0.3748, 0.2768



Protanomaly

33.0586, 0.3082, 0.2761



Deuteranomaly

33.2909, 0.3363, 0.2955



Tritanomaly

33.9202, 0.3938, 0.3030

Monochromacy



Original Color

33.8695, 0.3748, 0.2768



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

34.0868, 0.3333, 0.3058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8695, 0.3748, 0.2768 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(225, 126, 171)` looks like.

```
.text, #text, p{  
    color:rgb(225, 126, 171)  
}
```

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(225, 126, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 126, 171) }
```

Border

The CSS property to change the border of an element to Yxy 33.8695, 0.3748, 0.2768 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(225, 126, 171) }
```

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

```
.border{ border-color:rgb(225, 126, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 126, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 126, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 126, 171);  
box-shadow:4px 4px 4px 4px rgb(225, 126,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8695, 0.3748, 0.2768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 126, 171) }
```

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

```
.background{ background-color: rgb(225,  
126, 171) }
```

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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