

Converting Colors

$Y_{xy}(32.9761, 0.3789, 0.2760)$

Have a look what the booklet for
Yxy(32.9761, 0.3789, 0.2760)
contains.

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Color

Yxy(33.0006, 0.3791, 0.2768)

Conversions

Conversions Part 1

Format	Color
Hex	E17BA8
RGB	225, 123, 168
RGB Percent	88%, 48%, 66%
CMY	0.1177, 0.5176, 0.3412
CMYK	0.00, 0.45, 0.25, 0.12
HSL	334°, 63%, 68%
HSV	334°, 45%, 88%
XYZ	45.1970, 33.0006, 41.0242
YIQ	158.6280, 46.3470, 35.6190

Conversions

Conversions Part 2

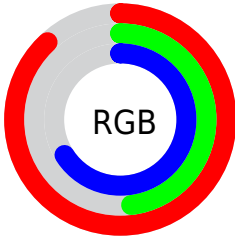
Format	Color
R _Y B	225, 123, 168
Decimal	14777256
CIE Lab	64.16, 44.74, -6.24
CIE LCh	64, 45.176, 352.057
Yxy	33.0006, 0.3791, 0.2768
Android (android.graphics.Color)	4292967336 (0xFFE17BA8)
YUV	158.6280, 4.6204, 58.2082
Hunter-Lab	57.4461, 39.9080, -2.1287

Details

The Yxy color **33.0006, 0.3791, 0.2768** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **61.3504, 0.2752, 0.3897**, and the grayscale version is **34.4566, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4285, 0.3417, 0.2832**, and **13.8568, 0.3999, 0.2604** is the 20% darker color. If you saturate the color by 10%, you get **27.5998, 0.4019, 0.2666**, and if you desaturate by 10%, it is **39.7325, 0.3595, 0.2883**.

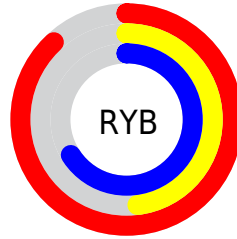
Distribution



Red (88%)

Green (48%)

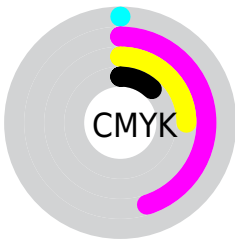
Blue (66%)



Red (88%)

Yellow (48%)

Blue (66%)

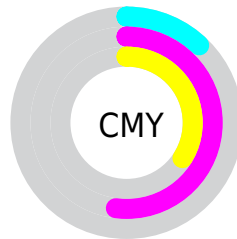


Cyan (0%)

Magenta (45%)

Yellow (25%)

Black (12%)



Cyan (12%)


Magenta (52%)

Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0006, 0.3791, 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 33.0006, 0.3791, 0.2768 by changing the saturation by 10% instead.


 33.0006, 0.3791,
0.2768


 33.0006, 0.3791,
0.2768


315.6524, 0.3445,
0.3035


 22.1269, 0.3882,
0.2700


 64.3765, 0.3662,
0.2866

 13.9502, 0.4001,
0.2611


 85.6474, 0.3615,
0.2903

 8.0860, 0.4164,
0.2492

 111.1529, 0.3575,
0.2933

 4.1500, 0.4400,
0.2323

141.2774, 0.3541,
0.2960

 1.7578, 0.4771,
0.2067

176.4052, 0.3512,
0.2982

 0.4607, 0.5536,
0.1470

216.9207, 0.3487,

 0.0000, 1.0000,

0.3002

0.0000

263.2083, 0.3465,
0.3019

0.0000, 0.0000,
0.0000

33.0006, 0.3791,
0.2768

33.0006, 0.3791,
0.2768

27.5998, 0.4019,
0.2666

39.7325, 0.3595,
0.2883

23.4349, 0.4276,
0.2588

47.8726, 0.3430,
0.3002

20.4059, 0.4554,
0.2547


57.4976, 0.3293,
0.3120


18.3944, 0.4840,
0.2555

68.6773, 0.3179,
0.3233

17.2555, 0.5115,
0.2618

81.4771, 0.3086,
0.3339

 16.9099, 0.5239,
0.2659

 94.0231, 0.3009,
0.3407

 94.7450, 0.2946,
0.3289

Harmonies

Analogous

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



33.0006, 0.3065, 0.2403



33.0006, 0.3791, 0.2768



33.0006, 0.4357, 0.3252

Triad

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



33.0006, 0.3791, 0.2768



33.0006, 0.3738, 0.4575



33.0006, 0.1893, 0.2560

Complementary

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



33.0006, 0.3791, 0.2768



61.3504, 0.2752, 0.3897

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.



33.0006, 0.2025, 0.3139



33.0006, 0.3791, 0.2768



33.0006, 0.3060, 0.4462

Square

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



33.0006, 0.3791, 0.2768



33.0006, 0.4287, 0.4274



33.0006, 0.2435, 0.3884



33.0006, 0.2033, 0.2260

Rectangle

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



33.0006, 0.3791, 0.2768



33.0006, 0.4525, 0.3605



33.0006, 0.2435, 0.3884



33.0006, 0.1906, 0.2723

Sweetspot

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



33.0022, 0.3791, 0.2768



78.0803, 0.3277, 0.3134



29.2017, 0.2742, 0.2038



16.0692, 0.3305, 0.3109



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.



33.0022, 0.3791, 0.2768



37.2678, 0.3996, 0.2675



32.9046, 0.4317, 0.3353



13.8005, 0.3223, 0.3187



9.7684, 0.5200, 0.2638



0.6949, 0.4817, 0.2427

Inverse Universe

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



33.0022, 0.3791, 0.2768



37.2678, 0.3996, 0.2675



60.7742, 0.2510, 0.3223



13.8005, 0.3223, 0.3187



9.7684, 0.5200, 0.2638



0.6949, 0.4817, 0.2427

Previews

White Background



This preview shows how the Yxy color 33.0006, 0.3791, 0.2768 looks on a white background.

Color Contrast Check

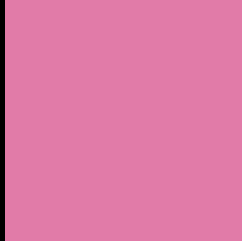
Large Text (above 18pt) WCAG AA × Fail

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 33.0006, 0.3791, 0.2768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

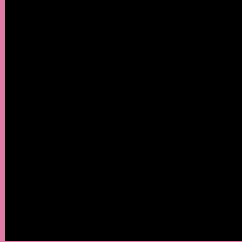
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0006, 0.3791, 0.2768

Background



This preview shows how black text looks on a background with the Yxy color 33.0006, 0.3791, 0.2768.



This preview shows how white text looks on a background with the Yxy color 33.0006, 0.3791, 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

33.0006, 0.3791, 0.2768

Protanopia

33.4631, 0.2791, 0.2813

Deuteranopia

33.1024, 0.3186, 0.3117



Tritanopia

33.0651, 0.4100, 0.3185

Trichromacy



Original Color

33.0006, 0.3791, 0.2768



Protanomaly

32.3282, 0.3111, 0.2771



Deuteranomaly

32.5852, 0.3397, 0.2967



Tritanomaly

33.0366, 0.3986, 0.3031

Monochromacy



Original Color

33.0006, 0.3791, 0.2768



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

33.2337, 0.3356, 0.3070

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0006, 0.3791, 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, 123, 168)` looks like.

```
.text, #text, p{  
    color:rgb(225, 123, 168)  
}
```

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, 123, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 123, 168) }
```

Border

The CSS property to change the border of an element to Yxy 33.0006, 0.3791, 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, 123, 168) }
```

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

```
.border{ border-color:rgb(225, 123, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 123, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 123, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 123, 168);  
box-shadow:4px 4px 4px 4px rgb(225, 123,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0006, 0.3791, 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, 123, 168) }
```

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

```
.background{ background-color: rgb(225,  
123, 168) }
```

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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