

Converting Colors

$Y_{xy}(30.5410, 0.3970, 0.2999)$

Have a look what the booklet for
Yxy(30.5410, 0.3970, 0.2999)
contains.

Yxy(30.5933, 0.3966, 0.2999)	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(30.5933, 0.3966, 0.2999)

Conversions

Conversions Part 1

Format	Color
Hex	D87A92
RGB	216, 122, 146
RGB Percent	85%, 48%, 57%
CMY	0.1531, 0.5214, 0.4275
CMYK	0.00, 0.43, 0.32, 0.15
HSL	345°, 55%, 66%
HSV	345°, 43%, 85%
XYZ	40.4578, 30.5933, 30.9605
YIQ	152.8420, 48.3200, 27.3920

Conversions

Conversions Part 2

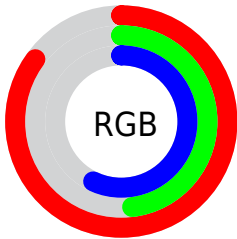
Format	Color
R _Y B	216, 122, 146
Decimal	14187154
CIE Lab	62.16, 39.21, 3.25
CIE LCh	62, 39.344, 4.734
Yxy	30.5933, 0.3966, 0.2999
Android (android.graphics.Color)	4292377234 (0xFFD87A92)
YUV	152.8420, -3.3731, 55.3896
Hunter-Lab	55.3112, 33.7706, 5.5302

Details

The Yxy color **30.5933, 0.3966, 0.2999** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **57.0392, 0.2667, 0.3615**, and the grayscale version is **31.7840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4808, 0.3619, 0.3042**, and **12.5958, 0.4255, 0.2881** is the 20% darker color. If you saturate the color by 10%, you get **25.4002, 0.4276, 0.2941**, and if you desaturate by 10%, it is **37.0383, 0.3705, 0.3066**.

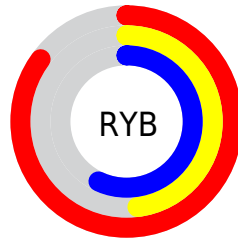
Distribution



Red (85%)

Green (48%)

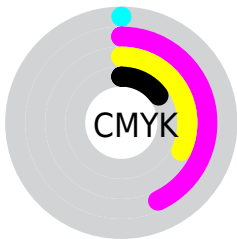
Blue (57%)



Red (85%)

Yellow (48%)

Blue (57%)

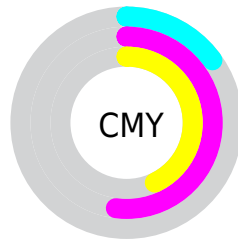


Cyan (0%)

Magenta (43%)

Yellow (32%)

Black (15%)



Cyan (15%)


Magenta (52%)


Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.5933, 0.3966, 0.2999 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 30.5933, 0.3966, 0.2999 by changing the saturation by 10% instead.


 30.5933, 0.3966,
0.2999


 30.5933, 0.3966,
0.2999


304.6603, 0.3516,
0.3159


 20.2894, 0.4089,
0.2954


 60.5992, 0.3795,
0.3061

 12.6056, 0.4253,
0.2893


 81.0699, 0.3733,
0.3083

 7.1575, 0.4482,
0.2806


 105.6984, 0.3682,
0.3101

 3.5608, 0.4826,
0.2673

134.8689, 0.3638,
0.3116

 1.4310, 0.5387,
0.2448

168.9660, 0.3601,
0.3129

 0.2394, 0.8187,
0.1589

208.3740, 0.3569,


 0.0000, 1.0000,


0.3140

0.0000


253.4773, 0.3541,
0.3150


 0.0000, 0.0000,
0.0000


 30.5933, 0.3966,
0.2999


 30.5933, 0.3966,
0.2999


 25.4002, 0.4276,
0.2941

 37.0383, 0.3705,
0.3066


 21.3725, 0.4631,
0.2901


 44.8052, 0.3489,
0.3136


 18.4201, 0.5016,
0.2889


 53.9639, 0.3313,
0.3204


 16.4374, 0.5401,
0.2917

 64.5784, 0.3170,
0.3268

 15.2968, 0.5747,
0.2987

 76.7085, 0.3055,
0.3328

 14.8700, 0.5938,
0.3045

 90.4107, 0.2960,
0.3384

 93.3334, 0.2894,
0.3289

Harmonies

Analogous

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



30.5933, 0.3351, 0.2609



30.5933, 0.3966, 0.2999



30.5933, 0.4341, 0.3470

Triad

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



30.5933, 0.3966, 0.2999



30.5933, 0.3434, 0.4442



30.5933, 0.2031, 0.2491

Complementary

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



30.5933, 0.3966, 0.2999



57.0392, 0.2667, 0.3615

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.



30.5933, 0.2047, 0.2916



30.5933, 0.3966, 0.2999



30.5933, 0.2821, 0.4149

Square

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



30.5933, 0.3966, 0.2999



30.5933, 0.3994, 0.4326



30.5933, 0.2321, 0.3540



30.5933, 0.2264, 0.2314

Rectangle

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



30.5933, 0.3966, 0.2999



30.5933, 0.4384, 0.3792



30.5933, 0.2321, 0.3540



30.5933, 0.2008, 0.2605

Sweetspot

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



30.5948, 0.3966, 0.2999



79.1532, 0.3307, 0.3206



29.9479, 0.2929, 0.2149



16.2634, 0.3343, 0.3191



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.



30.5948, 0.3966, 0.2999



37.6851, 0.4242, 0.2946



35.9301, 0.4143, 0.3562



12.4723, 0.3251, 0.3231



8.8197, 0.5901, 0.3024



0.5455, 0.5401, 0.2749

Inverse Universe

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



30.5948, 0.3966, 0.2999



37.6851, 0.4242, 0.2946



47.6999, 0.2491, 0.2991



12.4723, 0.3251, 0.3231



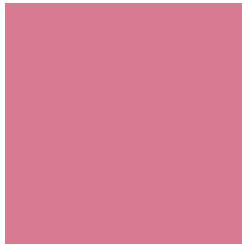
8.8197, 0.5901, 0.3024



0.5455, 0.5401, 0.2749

Previews

White Background



This preview shows how the Yxy color 30.5933, 0.3966, 0.2999 looks on a white background.

Color Contrast Check

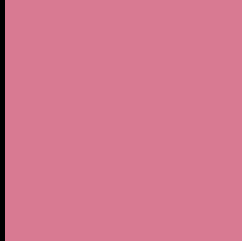
Large Text (above 18pt) WCAG AA × Fail

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 30.5933, 0.3966, 0.2999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

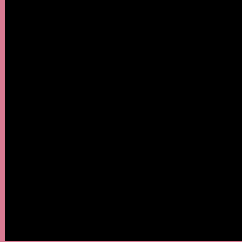
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.5933, 0.3966, 0.2999

Background



This preview shows how black text looks on a background with the Yxy color 30.5933, 0.3966, 0.2999.



This preview shows how white text looks on a background with the Yxy color 30.5933, 0.3966, 0.2999.

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

30.5933, 0.3966, 0.2999

Protanopia

30.9054, 0.3016, 0.3107

Deuteranopia

30.8356, 0.3402, 0.3350



Tritanopia

30.5558, 0.4110, 0.3182

Trichromacy



Original Color

30.5933, 0.3966, 0.2999

Protanomaly

30.1551, 0.3332, 0.3060

Deuteranomaly

30.1888, 0.3603, 0.3207

Tritanomaly

30.4480, 0.4052, 0.3108

Monochromacy



Original Color

30.5933, 0.3966, 0.2999

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

30.7781, 0.3414, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5933, 0.3966, 0.2999 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(216, 122, 146)` looks like.

```
.text, #text, p{  
    color:rgb(216, 122, 146)  
}
```

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(216, 122, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 122, 146) }
```

Border

The CSS property to change the border of an element to Yxy 30.5933, 0.3966, 0.2999 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(216, 122, 146) }
```

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

```
.border{ border-color:rgb(216, 122, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 122, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 122, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 122, 146);  
box-shadow:4px 4px 4px 4px rgb(216, 122,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5933, 0.3966, 0.2999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 122, 146) }
```

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

```
.background{ background-color: rgb(216,  
122, 146) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor