

Converting Colors

Yxy(31.8425, 0.3800, 0.2824)

Have a look what the booklet for
Yxy(31.8425, 0.3800, 0.2824)
contains.

Yxy(31.8346, 0.3799, 0.2824)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.8346, 0.3799, 0.2824)

Conversions

Conversions Part 1

Format	Color
Hex	DB7BA2
RGB	219, 123, 162
RGB Percent	86%, 48%, 64%
CMY	0.1410, 0.5177, 0.3647
CMYK	0.00, 0.44, 0.26, 0.14
HSL	336°, 57%, 67%
HSV	336°, 44%, 86%
XYZ	42.8257, 31.8346, 38.0685
YIQ	156.1500, 44.6970, 32.4810

Conversions

Conversions Part 2

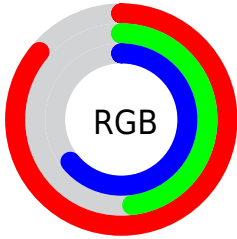
Format	Color
RYB	219, 123, 162
Decimal	14384034
CIELab	63.21, 41.91, -4.33
CIELCh	63, 42.136, 354.096
Yxy	31.8346, 0.3799, 0.2824
Android (android.graphics.Color)	4292574114 (0xFFDB7BA2)
YUV	156.1500, 2.8841, 55.1195
Hunter-Lab	56.4222, 36.7466, -0.5079

Details

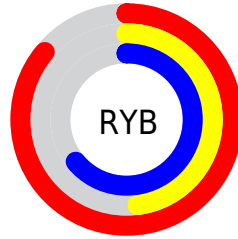
The Yxy color **31.8346, 0.3799, 0.2824** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **58.1877, 0.2744, 0.3824**, and the grayscale version is **33.2879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.7140, 0.3469, 0.2881**, and **13.3136, 0.4030, 0.2687** is the 20% darker color. If you saturate the color by 10%, you get **26.5583, 0.4038, 0.2728**, and if you desaturate by 10%, it is **38.3774, 0.3595, 0.2931**.

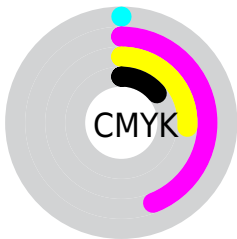
Distribution



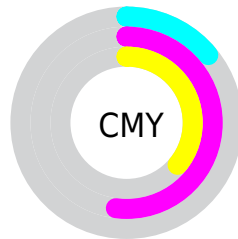
- Red (86%)
- Green (48%)
- Blue (64%)



- Red (86%)
- Yellow (48%)
- Blue (64%)



- Cyan (0%)
- Magenta (44%)
- Yellow (26%)
- Black (14%)




- Cyan (14%)
- Magenta (52%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8346, 0.3799, 0.2824 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 31.8346, 0.3799, 0.2824 by changing the saturation by 10% instead.

 31.8346, 0.3799,
0.2824


 31.8346, 0.3799,
0.2824

310.3651, 0.3446,
0.3066

 21.2352, 0.3893,
0.2761


 62.5517, 0.3666,
0.2914

 13.2960, 0.4018,
0.2679


 83.4382, 0.3618,
0.2947

 7.6327, 0.4189,
0.2566


 108.5225, 0.3577,
0.2975

 3.8608, 0.4442,
0.2404

138.1890, 0.3543,
0.2998

 1.5960, 0.4845,
0.2152

172.8221, 0.3513,
0.3019

 0.3549, 0.5854,
0.1409

212.8063, 0.3488,

 0.0000, 1.0000,


0.3036


0.0000

258.5258, 0.3465,
0.3052


 0.0000, 0.0000,
0.0000

 31.8346, 0.3799,
0.2824


 31.8346, 0.3799,
0.2824


 26.5583, 0.4038,
0.2728


 38.3774, 0.3595,
0.2931


 22.4603, 0.4310,
0.2654


 46.2580, 0.3424,
0.3041

 19.4485, 0.4607,
0.2614

 55.5476, 0.3283,
0.3149

 17.4147, 0.4914,
0.2621

 66.3112, 0.3166,
0.3252

 16.2279, 0.5209,
0.2681

 78.6097, 0.3071,
0.3348

 15.7863, 0.5380,
0.2737

 92.5006, 0.2992,
0.3437

 93.6804, 0.2922,
0.3309

 93.8056, 0.2912,
0.3289

Harmonies

Analogous

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



31.8346, 0.3117, 0.2464



31.8346, 0.3799, 0.2824



31.8346, 0.4312, 0.3294

Triad

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



31.8346, 0.3799, 0.2824



31.8346, 0.3670, 0.4510



31.8346, 0.1953, 0.2574

Complementary

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



31.8346, 0.3799, 0.2824



58.1877, 0.2744, 0.3824

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.



31.8346, 0.2063, 0.3107



31.8346, 0.3799, 0.2824



31.8346, 0.3024, 0.4364

Square

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



31.8346, 0.3799, 0.2824



31.8346, 0.4201, 0.4256



31.8346, 0.2440, 0.3802



31.8346, 0.2105, 0.2301

Rectangle

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



31.8346, 0.3799, 0.2824



31.8346, 0.4453, 0.3632



31.8346, 0.2440, 0.3802



31.8346, 0.1960, 0.2724

Sweetspot

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



31.8361, 0.3799, 0.2824



79.4393, 0.3273, 0.3157



28.8637, 0.2789, 0.2093



16.3335, 0.3302, 0.3133



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.



31.8361, 0.3799, 0.2824



37.7420, 0.4028, 0.2732



32.7248, 0.4238, 0.3390



13.1388, 0.3228, 0.3195



9.3776, 0.5342, 0.2716



0.6243, 0.4914, 0.2481

Inverse Universe

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



31.8361, 0.3799, 0.2824



37.7420, 0.4028, 0.2732



55.9303, 0.2519, 0.3183



13.1388, 0.3228, 0.3195



9.3776, 0.5342, 0.2716



0.6243, 0.4914, 0.2481

Previews

White Background



This preview shows how the Yxy color 31.8346, 0.3799, 0.2824 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 31.8346, 0.3799, 0.2824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

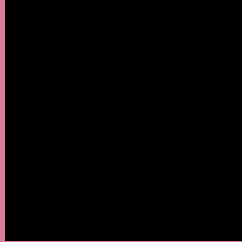
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8346, 0.3799, 0.2824

Background



This preview shows how black text looks on a background with the Yxy color 31.8346, 0.3799, 0.2824.



This preview shows how white text looks on a background with the Yxy color 31.8346, 0.3799, 0.2824.

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

31.8346, 0.3799, 0.2824

Protanopia

32.0477, 0.2843, 0.2876

Deuteranopia

32.0705, 0.3215, 0.3159



Tritanopia

31.9962, 0.4063, 0.3183

Trichromacy



Original Color

31.8346, 0.3799, 0.2824

Protanomaly

31.0656, 0.3159, 0.2842

Deuteranomaly

31.5737, 0.3420, 0.3029

Tritanomaly

31.9025, 0.3972, 0.3049

Monochromacy



Original Color

31.8346, 0.3799, 0.2824

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

31.9988, 0.3358, 0.3094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8346, 0.3799, 0.2824 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(219, 123, 162)` looks like.

```
.text, #text, p{  
    color:rgb(219, 123, 162)  
}
```

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(219, 123, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 123, 162) }
```

Border

The CSS property to change the border of an element to Yxy 31.8346, 0.3799, 0.2824 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(219, 123, 162) }
```

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

```
.border{ border-color:rgb(219, 123, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 123, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 123, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 123, 162);  
box-shadow:4px 4px 4px 4px rgb(219, 123,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8346, 0.3799, 0.2824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 123, 162) }
```

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

```
.background{ background-color: rgb(219,  
123, 162) }
```

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