

Converting Colors

$Y_{xy}(31.7409, 0.3840, 0.2866)$

Have a look what the booklet for
Yxy(31.7409, 0.3840, 0.2866)
contains.

Yxy(31.7292, 0.3835, 0.2859)	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(31.7292, 0.3835, 0.2859)

Conversions

Conversions Part 1

Format	Color
Hex	DB7B9F
RGB	219, 123, 159
RGB Percent	86%, 48%, 62%
CMY	0.1411, 0.5177, 0.3764
CMYK	0.00, 0.44, 0.27, 0.14
HSL	337°, 57%, 67%
HSV	337°, 44%, 86%
XYZ	42.5609, 31.7292, 36.6900
YIQ	155.8080, 45.6600, 31.5480

Conversions

Conversions Part 2

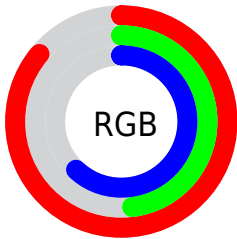
Format	Color
R _Y B	219, 123, 159
Decimal	14384031
CIE Lab	63.12, 41.50, -2.76
CIE LCh	63, 41.590, 356.190
Yxy	31.7292, 0.3835, 0.2859
Android (android.graphics.Color)	4292574111 (0xFFDB7B9F)
YUV	155.8080, 1.5737, 55.4194
Hunter-Lab	56.3287, 36.2959, 0.8112

Details

The Yxy color **31.7292, 0.3835, 0.2859** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **58.3042, 0.2727, 0.3781**, and the grayscale version is **33.1338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.5593, 0.3494, 0.2911**, and **13.2706, 0.4067, 0.2718** is the 20% darker color. If you saturate the color by 10%, you get **26.4425, 0.4089, 0.2771**, and if you desaturate by 10%, it is **38.2870, 0.3619, 0.2958**.

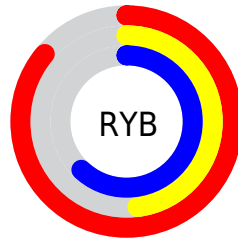
Distribution



Red (86%)

Green (48%)

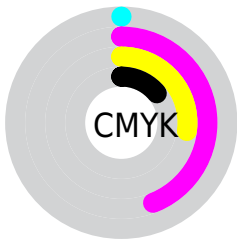
Blue (62%)



Red (86%)

Yellow (48%)

Blue (62%)

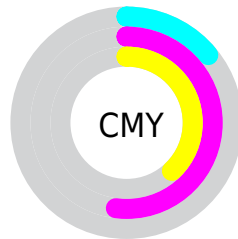


Cyan (0%)

Magenta (44%)

Yellow (27%)

Black (14%)



Cyan (14%)


Magenta (52%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7292, 0.3835, 0.2859 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 31.7292, 0.3835, 0.2859 by changing the saturation by 10% instead.


 31.7292, 0.3835,
0.2859


 31.7292, 0.3835,
0.2859


309.8838, 0.3461,
0.3084

 21.1547, 0.3935,
0.2800


 62.3863, 0.3694,
0.2943

 13.2372, 0.4068,
0.2722


 83.2378, 0.3643,
0.2974

 7.5921, 0.4251,
0.2614


 108.2837, 0.3600,
0.3000

 3.8350, 0.4522,
0.2459

137.9084, 0.3564,
0.3022

 1.5817, 0.4956,
0.2213

172.4964, 0.3533,
0.3041

 0.3452, 0.6127,
0.1462

212.4321, 0.3506,

 0.0000, 1.0000,

0.3057

0.0000

258.0997, 0.3482,
0.3072

0.0000, 0.0000,
0.0000

31.7292, 0.3835,
0.2859

31.7292, 0.3835,
0.2859

26.4425, 0.4089,
0.2771

38.2870, 0.3619,
0.2958

22.3386, 0.4378,
0.2704

46.1874, 0.3439,
0.3060

19.3251, 0.4694,
0.2671


55.5019, 0.3290,
0.3160

17.2934, 0.5019,
0.2684


66.2957, 0.3168,
0.3255

16.1123, 0.5329,
0.2748

78.6299, 0.3068,
0.3344

 15.6756, 0.5506,
0.2807

 92.5621, 0.2986,
0.3426

 93.7919, 0.2913,
0.3291

 93.8038, 0.2912,
0.3289

Harmonies

Analogous

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



31.7292, 0.3165, 0.2493



31.7292, 0.3835, 0.2859



31.7292, 0.4321, 0.3329

Triad

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



31.7292, 0.3835, 0.2859



31.7292, 0.3623, 0.4499



31.7292, 0.1967, 0.2555

Complementary

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



31.7292, 0.3835, 0.2859



58.3042, 0.2727, 0.3781

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.



31.7292, 0.2058, 0.3066



31.7292, 0.3835, 0.2859



31.7292, 0.2982, 0.4323

Square

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



31.7292, 0.3835, 0.2859



31.7292, 0.4160, 0.4273



31.7292, 0.2414, 0.3748



31.7292, 0.2136, 0.2303

Rectangle

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



31.7292, 0.3835, 0.2859



31.7292, 0.4442, 0.3665



31.7292, 0.2414, 0.3748



31.7292, 0.1968, 0.2698

Sweetspot

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



31.7307, 0.3835, 0.2859



79.3799, 0.3280, 0.3167



29.2496, 0.2819, 0.2103



16.3189, 0.3310, 0.3145



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.



31.7307, 0.3835, 0.2859



37.5802, 0.4078, 0.2774



33.5971, 0.4220, 0.3429



13.1319, 0.3233, 0.3203



9.3122, 0.5467, 0.2785



0.6197, 0.5023, 0.2540

Inverse Universe

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



31.7307, 0.3835, 0.2859



37.5802, 0.4078, 0.2774



54.3497, 0.2512, 0.3141



13.1319, 0.3233, 0.3203



9.3122, 0.5467, 0.2785



0.6197, 0.5023, 0.2540

Previews

White Background



This preview shows how the Yxy color 31.7292, 0.3835, 0.2859 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 31.7292, 0.3835, 0.2859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

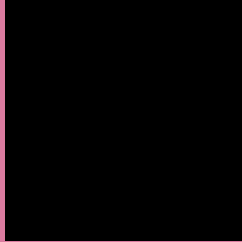
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7292, 0.3835, 0.2859

Background



This preview shows how black text looks on a background with the Yxy color 31.7292, 0.3835, 0.2859.



This preview shows how white text looks on a background with the Yxy color 31.7292, 0.3835, 0.2859.

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

31.7292, 0.3835, 0.2859

Protanopia

32.0204, 0.2877, 0.2919

Deuteranopia

31.7619, 0.3256, 0.3188



Tritanopia

31.7080, 0.4080, 0.3183

Trichromacy



Original Color

31.7292, 0.3835, 0.2859

Protanomaly

30.9507, 0.3188, 0.2882

Deuteranomaly

31.3046, 0.3465, 0.3057

Tritanomaly

31.8408, 0.3997, 0.3073

Monochromacy



Original Color

31.7292, 0.3835, 0.2859

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

31.9645, 0.3369, 0.3108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7292, 0.3835, 0.2859 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(219, 123, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 123, 159) }
```

Border

The CSS property to change the border of an element to Yxy 31.7292, 0.3835, 0.2859 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, 159) }
```

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

```
.border{ border-color:rgb(219, 123, 159) }
```

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, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 123, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 123, 159);  
box-shadow:4px 4px 4px 4px rgb(219, 123,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7292, 0.3835, 0.2859 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, 159) }
```

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

```
.background{ background-color: rgb(219,  
123, 159) }
```

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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