

Converting Colors

Yxy(31.6593, 0.3509, 0.2862)

Have a look what the booklet for
Yxy(31.6593, 0.3509, 0.2862)
contains.

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Color

Yxy(31.6703, 0.3509, 0.2863)

Conversions

Conversions Part 1

Format	Color
Hex	C785A6
RGB	199, 133, 166
RGB Percent	78%, 52%, 65%
CMY	0.2197, 0.4783, 0.3491
CMYK	0.00, 0.33, 0.17, 0.22
HSL	330°, 37%, 65%
HSV	330°, 33%, 78%
XYZ	38.8163, 31.6703, 40.1327
YIQ	156.4960, 28.7430, 24.2550

Conversions

Conversions Part 2

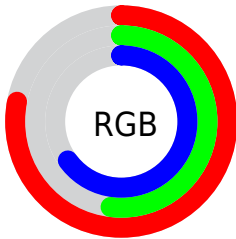
Format	Color
R _Y B	199, 133, 166
Decimal	13075878
CIE Lab	63.07, 30.14, -7.07
CIE LCh	63, 30.963, 346.798
Yxy	31.6703, 0.3509, 0.2863
Android (android.graphics.Color)	4291265958 (0xFFC785A6)
YUV	156.4960, 4.6855, 37.2760
Hunter-Lab	56.2764, 24.6357, -2.8883

Details

The Yxy color **31.6703, 0.3509, 0.2863** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.5760, 0.2865, 0.3764**, and the grayscale version is **33.4484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0211, 0.3421, 0.2944**, and **13.1788, 0.3637, 0.2730** is the 20% darker color. If you saturate the color by 10%, you get **26.3775, 0.3674, 0.2733**, and if you desaturate by 10%, it is **38.0262, 0.3369, 0.2996**.

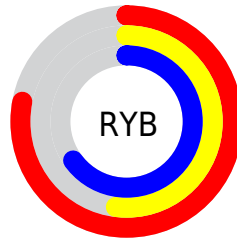
Distribution



Red (78%)

Green (52%)

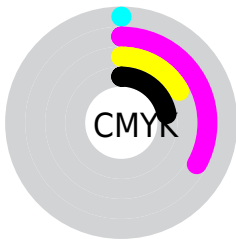
Blue (65%)



Red (78%)

Yellow (52%)

Blue (65%)

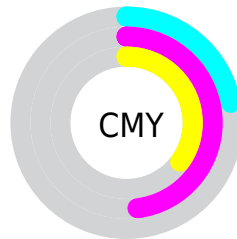


Cyan (0%)

Magenta (33%)

Yellow (17%)

Black (22%)



Cyan (22%)

Magenta (48%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6703, 0.3509, 0.2863 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 31.6703, 0.3509, 0.2863 by changing the saturation by 10% instead.


 31.6703, 0.3509,
0.2863


 31.6703, 0.3509,
0.2863


309.6146, 0.3309,
0.3083


 21.1098, 0.3562,
0.2806


 62.2939, 0.3434,
0.2945

 13.2043, 0.3631,
0.2731


 83.1257, 0.3407,
0.2975

 7.5694, 0.3728,
0.2630


 108.1501, 0.3384,
0.3000

 3.8207, 0.3868,
0.2483

137.7515, 0.3365,
0.3022

 1.5738, 0.4094,
0.2256

172.3143, 0.3348,
0.3040

 0.3398, 0.4724,
0.1489

212.2228, 0.3333,

 0.0000, 1.0000,

0.3056

0.0000

257.8614, 0.3321,
0.3071

0.0000, 0.0000,
0.0000

31.6703, 0.3509,
0.2863

31.6703, 0.3509,
0.2863

26.3775, 0.3674,
0.2733

38.0262, 0.3369,
0.2996

22.0845, 0.3866,
0.2613

45.4954, 0.3252,
0.3127

18.7278, 0.4082,
0.2515


54.1300, 0.3154,
0.3252


16.2347, 0.4318,
0.2450

63.9775, 0.3074,
0.3370

14.5218, 0.4564,
0.2431

75.0829, 0.3007,
0.3478


 13.4886, 0.4808,
0.2465

 87.4886, 0.2952,
0.3579

 13.0474, 0.4971,
0.2512

 89.6945, 0.2900,
0.3496

 90.2883, 0.2848,
0.3388

 90.8783, 0.2800,
0.3289

Harmonies

Analogous

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



31.6703, 0.3007, 0.2610



31.6703, 0.3509, 0.2863



31.6703, 0.3926, 0.3217

Triad

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



31.6703, 0.3509, 0.2863



31.6703, 0.3657, 0.4168



31.6703, 0.2235, 0.2851

Complementary

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



31.6703, 0.3509, 0.2863



48.5760, 0.2865, 0.3764

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.



31.6703, 0.2379, 0.3288



31.6703, 0.3509, 0.2863



31.6703, 0.3185, 0.4116

Square

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



31.6703, 0.3509, 0.2863



31.6703, 0.4003, 0.3960



31.6703, 0.2719, 0.3777



31.6703, 0.2303, 0.2581

Rectangle

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



31.6703, 0.3509, 0.2863



31.6703, 0.4081, 0.3478



31.6703, 0.2719, 0.3777



31.6703, 0.2259, 0.2981

Sweetspot

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



31.6718, 0.3509, 0.2863



84.0011, 0.3220, 0.3165



29.0100, 0.2839, 0.2393



17.5354, 0.3235, 0.3147



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.



31.6718, 0.3509, 0.2863



48.4007, 0.3629, 0.2765



30.6135, 0.3890, 0.3292



10.7239, 0.3213, 0.3175



8.4101, 0.4941, 0.2496



0.4128, 0.4485, 0.2244

Inverse Universe

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



31.6718, 0.3509, 0.2863



48.4007, 0.3629, 0.2765



49.9445, 0.2660, 0.3289



10.7239, 0.3213, 0.3175



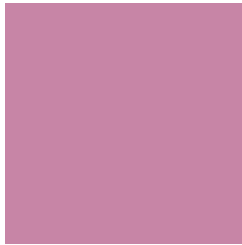
8.4101, 0.4941, 0.2496



0.4128, 0.4485, 0.2244

Previews

White Background



This preview shows how the Yxy color 31.6703, 0.3509, 0.2863 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 31.6703, 0.3509, 0.2863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

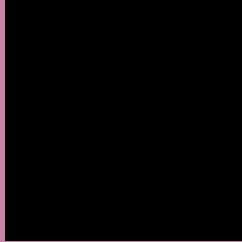
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.6703, 0.3509, 0.2863

Background



This preview shows how black text looks on a background with the Yxy color 31.6703, 0.3509, 0.2863.



This preview shows how white text looks on a background with the Yxy color 31.6703, 0.3509, 0.2863.

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

31.6703, 0.3509, 0.2863

Protanopia

31.9667, 0.2860, 0.2904

Deuteranopia

31.9258, 0.3137, 0.3085



Tritanopia

31.5852, 0.3694, 0.3145

Trichromacy



Original Color

31.6703, 0.3509, 0.2863

Protanomaly

31.5223, 0.3076, 0.2877

Deuteranomaly

31.5554, 0.3267, 0.2994

Tritanomaly

31.6668, 0.3628, 0.3041

Monochromacy



Original Color

31.6703, 0.3509, 0.2863

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.4885, 0.3259, 0.3119

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6703, 0.3509, 0.2863 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(199, 133, 166)` looks like.

```
.text, #text, p{  
    color:rgb(199, 133, 166)  
}
```

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(199, 133, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 133, 166) }
```

Border

The CSS property to change the border of an element to Yxy 31.6703, 0.3509, 0.2863 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(199, 133, 166) }
```

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

```
.border{ border-color:rgb(199, 133, 166) }
```

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

Here you see how a box with a 4 pixel rgb(199, 133, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 133, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 133, 166);  
box-shadow:4px 4px 4px 4px rgb(199, 133,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6703, 0.3509, 0.2863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 133, 166) }
```

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

```
.background{ background-color: rgb(199,  
133, 166) }
```

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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