

Converting Colors

$Y_{xy}(31.6172, 0.3328, 0.2641)$

Have a look what the booklet for
Yxy(31.6172, 0.3328, 0.2641)
contains.

Yxy(31.6158, 0.3328, 0.2641)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.6158, 0.3328, 0.2641)

Conversions

Conversions Part 1

Format	Color
Hex	C683B6
RGB	198, 131, 182
RGB Percent	78%, 51%, 71%
CMY	0.2237, 0.4862, 0.2863
CMYK	0.00, 0.34, 0.08, 0.22
HSL	314°, 37%, 65%
HSV	314°, 34%, 78%
XYZ	39.8400, 31.6158, 48.2557
YIQ	156.8470, 23.5610, 30.0650

Conversions

Conversions Part 2

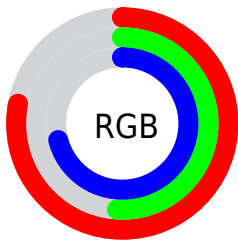
Format	Color
R _Y B	198, 131, 182
Decimal	13009846
CIE Lab	63.02, 33.57, -16.24
CIE LCh	63, 37.293, 334.191
Yxy	31.6158, 0.3328, 0.2641
Android (android.graphics.Color)	4291199926 (0xFFC683B6)
YUV	156.8470, 12.4004, 36.0912
Hunter-Lab	56.2279, 28.0763, -11.5241

Details

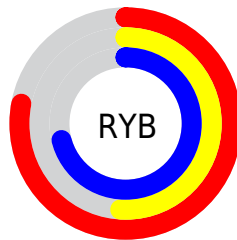
The Yxy color **31.6158, 0.3328, 0.2641** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.3034, 0.2975, 0.4043**, and the grayscale version is **33.5808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1310, 0.3288, 0.2760**, and **13.1619, 0.3383, 0.2452** is the 20% darker color. If you saturate the color by 10%, you get **26.6048, 0.3406, 0.2452**, and if you desaturate by 10%, it is **37.6522, 0.3258, 0.2836**.

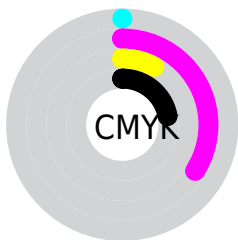
Distribution



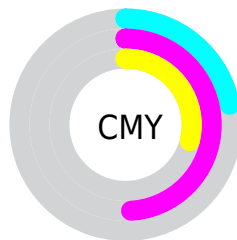
- Red (78%)
- Green (51%)
- Blue (71%)



- Red (78%)
- Yellow (51%)
- Blue (71%)



- Cyan (0%)
- Magenta (34%)
- Yellow (8%)
- Black (22%)





- Cyan (22%)
- Magenta (49%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6158, 0.3328, 0.2641 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 31.6158, 0.3328, 0.2641 by changing the saturation by 10% instead.


 31.6158, 0.3328,
0.2641


 31.6158, 0.3328,
0.2641

309.3654, 0.3229,
0.2968

 21.0682, 0.3352,
0.2559


 62.2083, 0.3293,
0.2760

 13.1739, 0.3382,
0.2453


 83.0220, 0.3279,
0.2805

 7.5484, 0.3421,
0.2313


 108.0265, 0.3268,
0.2843

 3.8074, 0.3474,
0.2117

137.6063, 0.3258,
0.2875

 1.5664, 0.3546,
0.1828

172.1456, 0.3249,
0.2903

 0.3348, 0.3770,
0.1075

212.0290, 0.3242,

 0.0000, 0.2252,

0.2927

0.0000

257.6408, 0.3235,
0.2949

0.0000, 0.0000,
0.0000

31.6158, 0.3328,
0.2641

31.6158, 0.3328,
0.2641

26.6048, 0.3406,
0.2452

37.6522, 0.3258,
0.2836

22.5568, 0.3492,
0.2280

44.7631, 0.3198,
0.3031

19.4093, 0.3584,
0.2132


52.9998, 0.3145,
0.3220


17.0905, 0.3680,
0.2021

62.4089, 0.3100,
0.3400

15.5178, 0.3776,
0.1953

73.0344, 0.3062,
0.3569

 14.5913, 0.3869,
0.1932

 84.9181, 0.3031,
0.3726

 14.2263, 0.3926,
0.1936

 88.4290, 0.3004,
0.3725

 88.6753, 0.2979,
0.3672

 88.9287, 0.2953,
0.3619

Harmonies

Analogous

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



31.6158, 0.2743, 0.2412



31.6158, 0.3328, 0.2641



31.6158, 0.3905, 0.3010

Triad

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



31.6158, 0.3328, 0.2641



31.6158, 0.3955, 0.4262



31.6158, 0.2111, 0.2952

Complementary

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



31.6158, 0.3328, 0.2641



47.3034, 0.2975, 0.4043

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.



31.6158, 0.2376, 0.3537



31.6158, 0.3328, 0.2641



31.6158, 0.3431, 0.4367

Square

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



31.6158, 0.3328, 0.2641



31.6158, 0.4271, 0.3908



31.6158, 0.2853, 0.4098



31.6158, 0.2089, 0.2545

Rectangle

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



31.6158, 0.3328, 0.2641



31.6158, 0.4178, 0.3304



31.6158, 0.2853, 0.4098



31.6158, 0.2172, 0.3134

Sweetspot

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



31.6172, 0.3328, 0.2641



84.4102, 0.3177, 0.3101



26.4853, 0.2663, 0.2330



17.6345, 0.3185, 0.3074



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.



31.6172, 0.3328, 0.2641



48.9333, 0.3388, 0.2493



30.4060, 0.3699, 0.3055



10.7717, 0.3173, 0.3116



9.2699, 0.3914, 0.1930



0.4497, 0.3738, 0.1833

Inverse Universe

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



31.6172, 0.3328, 0.2641



48.9333, 0.3388, 0.2493



48.4969, 0.2761, 0.3542



10.7717, 0.3173, 0.3116



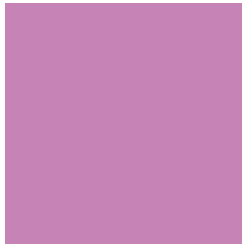
9.2699, 0.3914, 0.1930



0.4497, 0.3738, 0.1833

Previews

White Background



This preview shows how the Yxy color 31.6158, 0.3328, 0.2641 looks on a white background.

Color Contrast Check

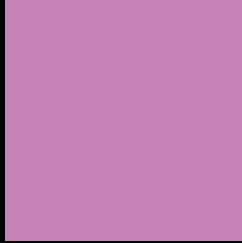
Large Text (above 18pt) WCAG AA × Fail

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 31.6158, 0.3328, 0.2641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

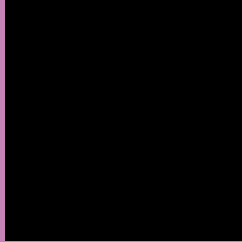
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.6158, 0.3328, 0.2641

Background



This preview shows how black text looks on a background with the Yxy color 31.6158, 0.3328, 0.2641.



This preview shows how white text looks on a background with the Yxy color 31.6158, 0.3328, 0.2641.

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

31.6158, 0.3328, 0.2641

Protanopia

31.7815, 0.2658, 0.2638

Deuteranopia

31.7181, 0.2914, 0.2853



Tritanopia

31.4988, 0.3646, 0.3143

Trichromacy



Original Color

31.6158, 0.3328, 0.2641

Protanomaly

31.3895, 0.2875, 0.2633

Deuteranomaly

31.2992, 0.3061, 0.2760

Tritanomaly

31.4681, 0.3528, 0.2959

Monochromacy



Original Color

31.6158, 0.3328, 0.2641

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

32.7036, 0.3200, 0.3035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6158, 0.3328, 0.2641 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(198, 131, 182)` looks like.

```
.text, #text, p{  
    color:rgb(198, 131, 182)  
}
```

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(198, 131, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 131, 182) }
```

Border

The CSS property to change the border of an element to Yxy 31.6158, 0.3328, 0.2641 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(198, 131, 182) }
```

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

```
.border{ border-color:rgb(198, 131, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 131, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 131, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 131, 182);  
box-shadow:4px 4px 4px 4px rgb(198, 131,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6158, 0.3328, 0.2641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 131, 182) }
```

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

```
.background{ background-color: rgb(198,  
131, 182) }
```

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