

Converting Colors

$Y_{xy}(31.7402, 0.3489, 0.2775)$

Have a look what the booklet for
Yxy(31.7402, 0.3489, 0.2775)
contains.

Yxy(31.7294, 0.3490, 0.2781)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.7294, 0.3490, 0.2781)

Conversions

Conversions Part 1

Format	Color
Hex	CA83AB
RGB	202, 131, 171
RGB Percent	79%, 51%, 67%
CMY	0.2079, 0.4862, 0.3295
CMYK	0.00, 0.35, 0.15, 0.21
HSL	326°, 40%, 65%
HSV	326°, 35%, 79%
XYZ	39.8186, 31.7294, 42.5455
YIQ	156.7890, 29.4760, 27.4920

Conversions

Conversions Part 2

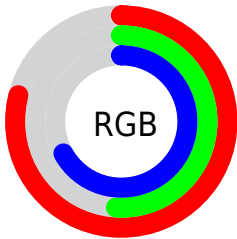
Format	Color
R_{YB}	202, 131, 171
Decimal	13271979
CIE Lab	63.12, 33.10, -9.80
CIE LCh	63, 34.520, 343.500
Yxy	31.7294, 0.3490, 0.2781
Android (android.graphics.Color)	4291462059 (0xFFCA83AB)
YUV	156.7890, 7.0060, 39.6500
Hunter-Lab	56.3289, 27.6054, -5.3518

Details

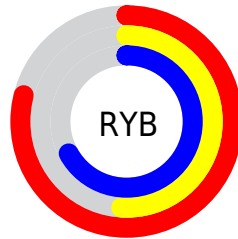
The Yxy color **31.7294, 0.3490, 0.2781** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **49.6675, 0.2880, 0.3865**, and the grayscale version is **33.5759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4489, 0.3383, 0.2875**, and **13.2723, 0.3606, 0.2625** is the 20% darker color. If you saturate the color by 10%, you get **26.4978, 0.3637, 0.2637**, and if you desaturate by 10%, it is **38.0440, 0.3364, 0.2930**.

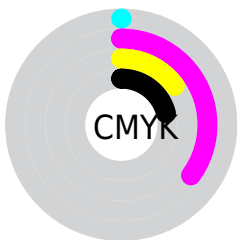
Distribution



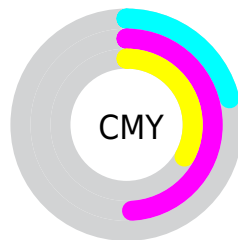
- Red (79%)
- Green (51%)
- Blue (67%)



- Red (79%)
- Yellow (51%)
- Blue (67%)



- Cyan (0%)
- Magenta (35%)
- Yellow (15%)
- Black (21%)





- Cyan (21%)
- Magenta (49%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7294, 0.3490, 0.2781 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 31.7294, 0.3490, 0.2781 by changing the saturation by 10% instead.


 31.7294, 0.3490,
0.2781


 31.7294, 0.3490,
0.2781


309.8847, 0.3302,
0.3041

 21.1549, 0.3539,
0.2714


 62.3866, 0.3420,
0.2877

 13.2373, 0.3603,
0.2628

 83.2382, 0.3395,
0.2912

 7.5921, 0.3690,
0.2511


 108.2841, 0.3373,
0.2942

 3.8351, 0.3817,
0.2346

137.9090, 0.3355,
0.2968

 1.5817, 0.4015,
0.2093

172.4970, 0.3339,
0.2990

 0.3452, 0.4539,
0.1337


212.4328, 0.3325,

 0.0000, 1.0000,


0.3009


0.0000


258.1005, 0.3313,
0.3026


 0.0000, 0.0000,
0.0000


 31.7294, 0.3490,
0.2781


 31.7294, 0.3490,
0.2781


 26.4978, 0.3637,
0.2637


 38.0440, 0.3364,
0.2930


 22.2826, 0.3805,
0.2506


 45.4943, 0.3257,
0.3078


 19.0168, 0.3992,
0.2399


 54.1348, 0.3167,
0.3220

 16.6232, 0.4194,
0.2330


 64.0153, 0.3093,
0.3354

 15.0127, 0.4401,
0.2307


 75.1827, 0.3031,
0.3479

 14.0763, 0.4605,
0.2338

 87.6814, 0.2979,
0.3595

 13.7631, 0.4704,
0.2365

 89.9421, 0.2932,
0.3527

 90.4583, 0.2885,
0.3431

 91.0001, 0.2840,
0.3337

Harmonies

Analogous

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



31.7294, 0.2931, 0.2520



31.7294, 0.3490, 0.2781



31.7294, 0.3978, 0.3158

Triad

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



31.7294, 0.3490, 0.2781



31.7294, 0.3763, 0.4253



31.7294, 0.2149, 0.2842

Complementary

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



31.7294, 0.3490, 0.2781



49.6675, 0.2880, 0.3865

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.



31.7294, 0.2330, 0.3345



31.7294, 0.3490, 0.2781



31.7294, 0.3246, 0.4241

Square

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



31.7294, 0.3490, 0.2781



31.7294, 0.4126, 0.3988



31.7294, 0.2722, 0.3891



31.7294, 0.2199, 0.2525

Rectangle

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



31.7294, 0.3490, 0.2781



31.7294, 0.4172, 0.3442



31.7294, 0.2722, 0.3891



31.7294, 0.2183, 0.2993

Sweetspot

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



31.7309, 0.3490, 0.2781



82.6267, 0.3219, 0.3135



28.1579, 0.2772, 0.2321



17.2654, 0.3232, 0.3116



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.



31.7309, 0.3490, 0.2781



46.9733, 0.3598, 0.2673



30.5616, 0.3900, 0.3230



11.3177, 0.3203, 0.3160



8.8766, 0.4678, 0.2351



0.4730, 0.4315, 0.2151

Inverse Universe

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



31.7309, 0.3490, 0.2781



46.9733, 0.3598, 0.2673



51.1010, 0.2663, 0.3353



11.3177, 0.3203, 0.3160



8.8766, 0.4678, 0.2351



0.4730, 0.4315, 0.2151

Previews

White Background



This preview shows how the Yxy color 31.7294, 0.3490, 0.2781 looks on a white background.

Color Contrast Check

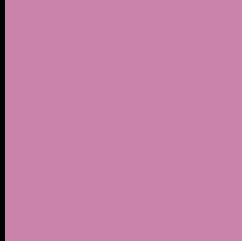
Large Text (above 18pt) WCAG AA × Fail

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 31.7294, 0.3490, 0.2781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

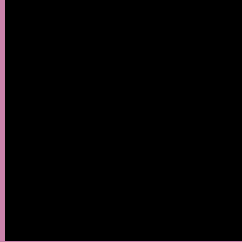
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7294, 0.3490, 0.2781

Background



This preview shows how black text looks on a background with the Yxy color 31.7294, 0.3490, 0.2781.



This preview shows how white text looks on a background with the Yxy color 31.7294, 0.3490, 0.2781.

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

31.7294, 0.3490, 0.2781

Protanopia

32.0702, 0.2785, 0.2805

Deuteranopia

31.8991, 0.3070, 0.3012



Tritanopia

31.8258, 0.3727, 0.3160

Trichromacy



Original Color

31.7294, 0.3490, 0.2781

Protanomaly

31.3488, 0.3011, 0.2781

Deuteranomaly

31.4407, 0.3218, 0.2912

Tritanomaly

31.6961, 0.3642, 0.3017

Monochromacy



Original Color

31.7294, 0.3490, 0.2781

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

32.6727, 0.3249, 0.3091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7294, 0.3490, 0.2781 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(202, 131, 171)` looks like.

```
.text, #text, p{  
    color:rgb(202, 131, 171)  
}
```

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(202, 131, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 131, 171) }
```

Border

The CSS property to change the border of an element to Yxy 31.7294, 0.3490, 0.2781 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(202, 131, 171) }
```

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

```
.border{ border-color:rgb(202, 131, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 131, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 131, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 131, 171);  
box-shadow:4px 4px 4px 4px rgb(202, 131,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7294, 0.3490, 0.2781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 131, 171) }
```

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

```
.background{ background-color: rgb(202,  
131, 171) }
```

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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