

Converting Colors

$Y_{xy}(31.3771, 0.3283, 0.2742)$

Have a look what the booklet for
Yxy(31.3771, 0.3283, 0.2742)
contains.

Yxy(31.3211, 0.3281, 0.2734)	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(31.3211, 0.3281, 0.2734)

Conversions

Conversions Part 1

Format	Color
Hex	BD87B1
RGB	189, 135, 177
RGB Percent	74%, 53%, 69%
CMY	0.2588, 0.4706, 0.3059
CMYK	0.00, 0.29, 0.06, 0.26
HSL	313°, 29%, 64%
HSV	313°, 29%, 74%
XYZ	37.5876, 31.3211, 45.6527
YIQ	155.9340, 18.7020, 24.5100

Conversions

Conversions Part 2

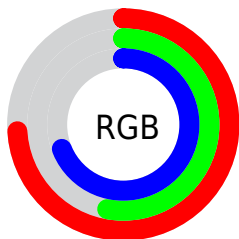
Format	Color
RYB	189, 135, 177
Decimal	12421041
CIELab	62.78, 27.45, -13.87
CIELCh	63, 30.751, 333.192
Yxy	31.3211, 0.3281, 0.2734
Android (android.graphics.Color)	4290611121 (0xFFBD87B1)
YUV	155.9340, 10.3855, 28.9989
Hunter-Lab	55.9653, 21.9457, -9.1892

Details

The Yxy color **31.3211, 0.3281, 0.2734** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.6600, 0.3004, 0.3919**, and the grayscale version is **33.1622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8712, 0.3252, 0.2837**, and **12.9468, 0.3331, 0.2567** is the 20% darker color. If you saturate the color by 10%, you get **26.3428, 0.3350, 0.2538**, and if you desaturate by 10%, it is **37.2437, 0.3220, 0.2933**.

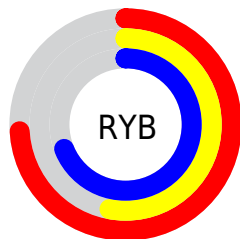
Distribution



Red (74%)

Green (53%)

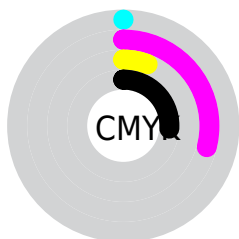
Blue (69%)



Red (74%)

Yellow (53%)

Blue (69%)

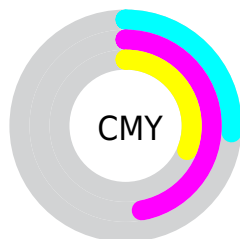


Cyan (0%)

Magenta (29%)

Yellow (6%)

Black (26%)



Cyan (26%)


Magenta (47%)


Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.3211, 0.3281, 0.2734 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 31.3211, 0.3281, 0.2734 by changing the saturation by 10% instead.


 31.3211, 0.3281,
0.2734

 31.3211, 0.3281,
0.2734


308.0149, 0.3205,
0.3017

 20.8435, 0.3300,
0.2662


 61.7453, 0.3254,
0.2838

 13.0096, 0.3323,
0.2568


 82.4606, 0.3243,
0.2877

 7.4352, 0.3354,
0.2442


 107.3573, 0.3234,
0.2909

 3.7357, 0.3396,
0.2264

136.8197, 0.3227,
0.2937

 1.5269, 0.3454,
0.1995

171.2323, 0.3220,
0.2961

 0.3075, 0.3693,
0.1173

210.9794, 0.3214,

 0.0000, 0.0000,

0.2982

0.0000

256.4455, 0.3209,
0.3001

■ 31.3211, 0.3281,
0.2734

■ 31.3211, 0.3281,
0.2734

■ 26.3428, 0.3350,
0.2538

■ 37.2437, 0.3220,
0.2933

■ 22.2550, 0.3426,
0.2353

■ 44.1523, 0.3167,
0.3128

■ 19.0050, 0.3509,
0.2189

■ 52.0912, 0.3121,
0.3316

■ 16.5328, 0.3596,
0.2055

■ 61.1008, 0.3082,
0.3494

■ 14.7702, 0.3684,
0.1960

■ 71.2192, 0.3049,
0.3659

■ 13.6374, 0.3772,
0.1911

■ 82.4829, 0.3022,
0.3812

■ 13.0023, 0.3856,
0.1904

■ 86.8188, 0.2998,
0.3831

■ 12.9251, 0.3868,
0.1905

■ 87.0267, 0.2976,
0.3782

■ 87.2401, 0.2953,
0.3734

Harmonies

Analogous

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



31.3211, 0.2795, 0.2544



31.3211, 0.3281, 0.2734



31.3211, 0.3757, 0.3048

Triad

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



31.3211, 0.3281, 0.2734



31.3211, 0.3835, 0.4097



31.3211, 0.2276, 0.3034

Complementary

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



31.3211, 0.3281, 0.2734



43.6600, 0.3004, 0.3919

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.



31.3211, 0.2513, 0.3514



31.3211, 0.3281, 0.2734



31.3211, 0.3406, 0.4174

Square

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



31.3211, 0.3281, 0.2734



31.3211, 0.4083, 0.3810



31.3211, 0.2922, 0.3958



31.3211, 0.2249, 0.2681

Rectangle

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



31.3211, 0.3281, 0.2734



31.3211, 0.3986, 0.3299



31.3211, 0.2922, 0.3958



31.3211, 0.2333, 0.3186

Sweetspot

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



31.3225, 0.3281, 0.2734



78.3130, 0.3170, 0.3117



27.1783, 0.2741, 0.2497



16.4321, 0.3177, 0.3089



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.3225, 0.3281, 0.2734



50.5709, 0.3321, 0.2616



30.3605, 0.3571, 0.3081



9.6589, 0.3171, 0.3113



8.7067, 0.3858, 0.1899



0.3502, 0.3674, 0.1797

Inverse Universe

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



31.3225, 0.3281, 0.2734



50.5709, 0.3321, 0.2616



44.5973, 0.2819, 0.3511



9.6589, 0.3171, 0.3113



8.7067, 0.3858, 0.1899



0.3502, 0.3674, 0.1797

Previews

White Background



This preview shows how the Yxy color 31.3211, 0.3281, 0.2734 looks on a white background.

Color Contrast Check

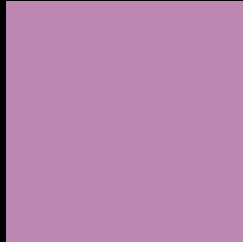
Large Text (above 18pt) WCAG AA × Fail

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 31.3211, 0.3281, 0.2734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

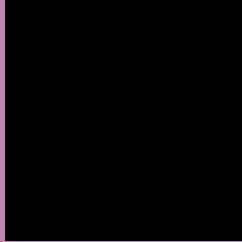
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3211, 0.3281, 0.2734

Background



This preview shows how black text looks on a background with the Yxy color 31.3211, 0.3281, 0.2734.



This preview shows how white text looks on a background with the Yxy color 31.3211, 0.3281, 0.2734.

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

31.3211, 0.3281, 0.2734

Protanopia

31.6933, 0.2743, 0.2747

Deuteranopia

31.3037, 0.2967, 0.2908



Tritanopia

31.4296, 0.3517, 0.3139

Trichromacy



Original Color

31.3211, 0.3281, 0.2734

Protanomaly

31.1851, 0.2917, 0.2734

Deuteranomaly

31.0649, 0.3077, 0.2836

Tritanomaly

31.2798, 0.3434, 0.2990

Monochromacy



Original Color

31.3211, 0.3281, 0.2734

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.1850, 0.3179, 0.3060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3211, 0.3281, 0.2734 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(189, 135, 177)` looks like.

```
.text, #text, p{  
    color:rgb(189, 135, 177)  
}
```

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(189, 135, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 135, 177) }
```

Border

The CSS property to change the border of an element to Yxy 31.3211, 0.3281, 0.2734 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(189, 135, 177) }
```

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

```
.border{ border-color:rgb(189, 135, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 135, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 135, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 135, 177);  
box-shadow:4px 4px 4px 4px rgb(189, 135,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3211, 0.3281, 0.2734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 135, 177) }
```

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

```
.background{ background-color: rgb(189,  
135, 177) }
```

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