

Converting Colors

Yxy(31.8512, 0.3123, 0.2553)

Have a look what the booklet for
Yxy(31.8512, 0.3123, 0.2553)
contains.

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Color

Yxy(31.8251, 0.3121, 0.2552)

Conversions

Conversions Part 1

Format	Color
Hex	BC87C0
RGB	188, 135, 192
RGB Percent	74%, 53%, 75%
CMY	0.2627, 0.4706, 0.2471
CMYK	0.02, 0.30, 0.00, 0.25
HSL	296°, 31%, 64%
HSV	296°, 30%, 75%
XYZ	38.9209, 31.8251, 53.9605
YIQ	157.3450, 13.2910, 28.9630

Conversions

Conversions Part 2

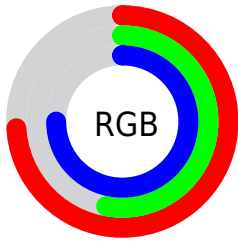
Format	Color
R_{YB}	188, 135, 192
Decimal	12355520
CIE _{Lab}	63.20, 29.92, -21.72
CIE _{LCh}	63, 36.977, 324.022
Yxy	31.8251, 0.3121, 0.2552
Android (android.graphics.Color)	4290545600 (0xFFBC87C0)
YUV	157.3450, 17.0849, 26.8844
Hunter-Lab	56.4137, 24.4265, -17.2221

Details

The Yxy color **31.8251, 0.3121, 0.2552** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.9355, 0.3118, 0.4137**, and the grayscale version is **33.7986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6472, 0.3125, 0.2683**, and **13.2440, 0.3113, 0.2344** is the 20% darker color. If you saturate the color by 10%, you get **26.7740, 0.3115, 0.2307**, and if you desaturate by 10%, it is **37.8467, 0.3125, 0.2804**.

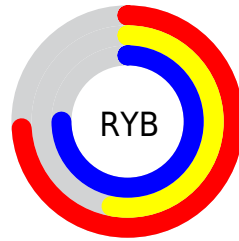
Distribution



Red (74%)

Green (53%)

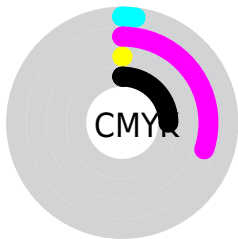
Blue (75%)



Red (74%)

Yellow (53%)

Blue (75%)

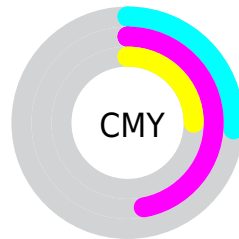


Cyan (2%)

Magenta (30%)

Yellow (0%)

Black (25%)



Cyan (26%)


Magenta (47%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8251, 0.3121, 0.2552 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 31.8251, 0.3121, 0.2552 by changing the saturation by 10% instead.

 31.8251, 0.3121,
0.2552


 31.8251, 0.3121,
0.2552


310.3218, 0.3133,
0.2921


 21.2279, 0.3115,
0.2460


 62.5368, 0.3127,
0.2686

 13.2907, 0.3106,
0.2343


 83.4201, 0.3129,
0.2736

 7.6290, 0.3090,
0.2188


 108.5010, 0.3130,
0.2779

 3.8585, 0.3062,
0.1975

138.1637, 0.3131,
0.2816

 1.5947, 0.3006,
0.1668

172.7928, 0.3132,
0.2847

 0.3540, 0.2952,
0.0961

212.7726, 0.3132,

 0.0000, 0.0207,

0.2875

0.0000

258.4874, 0.3133,
0.2900

0.0000, 0.0000,
0.0000

31.8251, 0.3121,
0.2552

31.8251, 0.3121,
0.2552

26.7740, 0.3115,
0.2307

37.8467, 0.3125,
0.2804

22.6372, 0.3107,
0.2078

44.8827, 0.3127,
0.3055

19.3593, 0.3096,
0.1875

52.9792, 0.3127,
0.3297

16.8771, 0.3083,
0.1707

62.1786, 0.3126,
0.3528

15.1187, 0.3068,
0.1579

72.5206, 0.3124,
0.3744

■ 13.9994, 0.3052,
0.1495

■ 84.0432, 0.3122,
0.3943

■ 13.3592, 0.3035,
0.1446

■ 87.2508, 0.3127,
0.3988

■ 13.3413, 0.3034,
0.1445

■ 87.4330, 0.3135,
0.3987

■ 87.6169, 0.3143,
0.3985

Harmonies

Analogous

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



31.8251, 0.2579, 0.2384



31.8251, 0.3121, 0.2552



31.8251, 0.3717, 0.2877

Triad

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



31.8251, 0.3121, 0.2552



31.8251, 0.4083, 0.4153



31.8251, 0.2183, 0.3139

Complementary

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



31.8251, 0.3121, 0.2552



44.9355, 0.3118, 0.4137

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.



31.8251, 0.2525, 0.3739



31.8251, 0.3121, 0.2552



31.8251, 0.3618, 0.4358

Square

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



31.8251, 0.3121, 0.2552



31.8251, 0.4296, 0.3756



31.8251, 0.3047, 0.4221



31.8251, 0.2079, 0.2664

Rectangle

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



31.8251, 0.3121, 0.2552



31.8251, 0.4045, 0.3154



31.8251, 0.3047, 0.4221



31.8251, 0.2272, 0.3335

Sweetspot

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



31.8265, 0.3121, 0.2552



82.0748, 0.3127, 0.3068



27.6384, 0.2618, 0.2509



17.1775, 0.3127, 0.3032



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



31.8265, 0.3121, 0.2552



51.1802, 0.3117, 0.2382



31.3697, 0.3405, 0.2849



10.2106, 0.3127, 0.3062



8.9913, 0.3036, 0.1446



0.3994, 0.3077, 0.1469

Inverse Universe

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



30.3966, 0.3734, 0.3237



48.1861, 0.3939, 0.3225



45.3445, 0.2923, 0.3778



10.0890, 0.3278, 0.3274



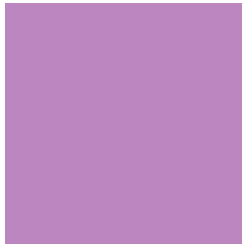
7.5654, 0.6314, 0.3252



0.3309, 0.6014, 0.3087

Previews

White Background



This preview shows how the Yxy color 31.8251, 0.3121, 0.2552 looks on a white background.

Color Contrast Check

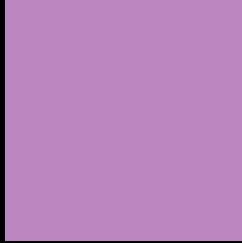
Large Text (above 18pt) WCAG AA × Fail

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 31.8251, 0.3121, 0.2552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

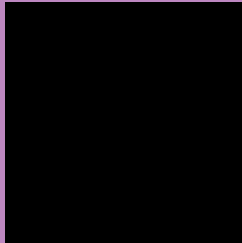
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8251, 0.3121, 0.2552

Background



This preview shows how black text looks on a background with the Yxy color 31.8251, 0.3121, 0.2552.



This preview shows how white text looks on a background with the Yxy color 31.8251, 0.3121, 0.2552.

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

31.8251, 0.3121, 0.2552

Protanopia

31.9818, 0.2585, 0.2535

Deuteranopia

31.9708, 0.2787, 0.2727



Tritanopia

31.7132, 0.3458, 0.3137

Trichromacy



Original Color

31.8251, 0.3121, 0.2552

Protanomaly

31.5890, 0.2757, 0.2528

Deuteranomaly

31.8610, 0.2903, 0.2663

Tritanomaly

31.5695, 0.3337, 0.2909

Monochromacy



Original Color

31.8251, 0.3121, 0.2552

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

32.7220, 0.3121, 0.2991

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8251, 0.3121, 0.2552 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(188, 135, 192)` looks like.

```
.text, #text, p{  
    color:rgb(188, 135, 192)  
}
```

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(188, 135, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 135, 192) }
```

Border

The CSS property to change the border of an element to Yxy 31.8251, 0.3121, 0.2552 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(188, 135, 192) }
```

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

```
.border{ border-color:rgb(188, 135, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 135, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 135, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 135, 192);  
box-shadow:4px 4px 4px 4px rgb(188, 135,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8251, 0.3121, 0.2552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 135, 192) }
```

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

```
.background{ background-color: rgb(188,  
135, 192) }
```

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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