

Converting Colors

$Y_{xy}(31.5780, 0.3105, 0.2577)$

Have a look what the booklet for
Yxy(31.5780, 0.3105, 0.2577)
contains.

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Color

Yxy(31.6403, 0.3109, 0.2582)

Conversions

Conversions Part 1

Format	Color
Hex	B988BE
RGB	185, 136, 190
RGB Percent	73%, 53%, 75%
CMY	0.2746, 0.4666, 0.2550
CMYK	0.03, 0.28, 0.00, 0.25
HSL	294°, 29%, 64%
HSV	294°, 28%, 75%
XYZ	38.0983, 31.6403, 52.8033
YIQ	156.8070, 11.8700, 27.1820

Conversions

Conversions Part 2

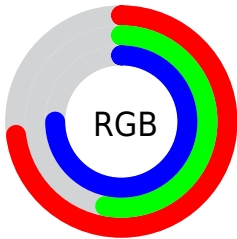
Format	Color
R_{YB}	185, 136, 190
Decimal	12159166
CIE _{Lab}	63.04, 27.95, -20.85
CIE _{LCh}	63, 34.869, 323.281
Yxy	31.6403, 0.3109, 0.2582
Android (android.graphics.Color)	4290349246 (0xFFB988BE)
YUV	156.8070, 16.3641, 24.7253
Hunter-Lab	56.2497, 22.4621, -16.2825

Details

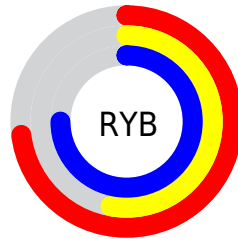
The Yxy color **31.6403, 0.3109, 0.2582** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.2629, 0.3129, 0.4092**, and the grayscale version is **33.5469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3580, 0.3123, 0.2717**, and **13.0999, 0.3096, 0.2379** is the 20% darker color. If you saturate the color by 10%, you get **26.5371, 0.3098, 0.2333**, and if you desaturate by 10%, it is **37.6974, 0.3118, 0.2836**.

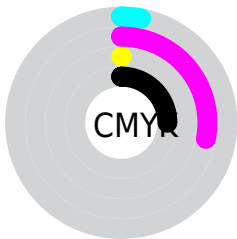
Distribution



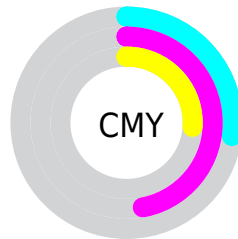
- Red (73%)
- Green (53%)
- Blue (75%)



- Red (73%)
- Yellow (53%)
- Blue (75%)



- Cyan (3%)
- Magenta (28%)
- Yellow (0%)
- Black (25%)



- Cyan (27%)
- Magenta (47%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6403, 0.3109, 0.2582 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 31.6403, 0.3109, 0.2582 by changing the saturation by 10% instead.


 31.6403, 0.3109,
0.2582


 31.6403, 0.3109,
0.2582


309.4774, 0.3126,
0.2938

 21.0869, 0.3102,
0.2493


 62.2468, 0.3117,
0.2712

 13.1875, 0.3091,
0.2379


 83.0686, 0.3120,
0.2760

 7.5578, 0.3073,
0.2228


 108.0821, 0.3122,
0.2801

 3.8133, 0.3043,
0.2019

137.6716, 0.3123,
0.2836

 1.5697, 0.2983,
0.1714

172.2215, 0.3124,
0.2867

 0.3370, 0.2932,
0.0975

212.1161, 0.3125,

 0.0000, 0.0000,

0.2894

0.0000

257.7400, 0.3126,
0.2917

■ 31.6403, 0.3109,
0.2582

■ 31.6403, 0.3109,
0.2582

■ 26.5371, 0.3098,
0.2333

■ 37.6974, 0.3118,
0.2836

■ 22.3337, 0.3084,
0.2098

■ 44.7508, 0.3124,
0.3086

■ 18.9768, 0.3067,
0.1887

■ 52.8452, 0.3128,
0.3328

■ 16.4056, 0.3047,
0.1709

■ 62.0214, 0.3130,
0.3556

■ 14.5515, 0.3026,
0.1571

■ 72.3180, 0.3130,
0.3769

■ 13.3339, 0.3003,
0.1477

■ 83.7716, 0.3130,
0.3965

■ 12.6227, 0.2980,
0.1421

■ 87.1511, 0.3138,
0.4012

■ 12.5248, 0.2976,
0.1413

■ 87.3913, 0.3148,
0.4009

■ 87.6343, 0.3159,
0.4007

Harmonies

Analogous

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



31.6403, 0.2597, 0.2426



31.6403, 0.3109, 0.2582



31.6403, 0.3672, 0.2890

Triad

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



31.6403, 0.3109, 0.2582



31.6403, 0.4042, 0.4104



31.6403, 0.2236, 0.3164

Complementary

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



31.6403, 0.3109, 0.2582



44.2629, 0.3129, 0.4092

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.



31.6403, 0.2568, 0.3727



31.6403, 0.3109, 0.2582



31.6403, 0.3608, 0.4297

Square

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



31.6403, 0.3109, 0.2582



31.6403, 0.4234, 0.3728



31.6403, 0.3067, 0.4172



31.6403, 0.2130, 0.2709

Rectangle

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



31.6403, 0.3109, 0.2582



31.6403, 0.3984, 0.3153



31.6403, 0.3067, 0.4172



31.6403, 0.2323, 0.3349

Sweetspot

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



31.6417, 0.3109, 0.2582



80.0985, 0.3123, 0.3068



28.1262, 0.2645, 0.2562



17.1539, 0.3123, 0.3031



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.



31.6417, 0.3109, 0.2582



51.4647, 0.3102, 0.2428



31.4013, 0.3380, 0.2858



9.6500, 0.3123, 0.3063



8.3483, 0.2979, 0.1415



0.3403, 0.3038, 0.1447

Inverse Universe

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



30.4834, 0.3684, 0.3223



49.0642, 0.3856, 0.3208



44.5100, 0.2937, 0.3767



9.5504, 0.3274, 0.3269



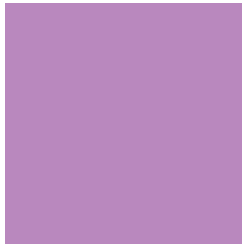
7.3129, 0.6279, 0.3233



0.2914, 0.5875, 0.3010

Previews

White Background



This preview shows how the Yxy color 31.6403, 0.3109, 0.2582 looks on a white background.

Color Contrast Check

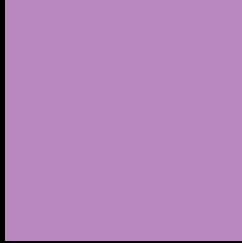
Large Text (above 18pt) WCAG AA × Fail

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 31.6403, 0.3109, 0.2582 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 31.6403, 0.3109, 0.2582

Background



This preview shows how black text looks on a background with the Yxy color 31.6403, 0.3109, 0.2582.



This preview shows how white text looks on a background with the Yxy color 31.6403, 0.3109, 0.2582.

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

31.6403, 0.3109, 0.2582

Protanopia

31.8392, 0.2606, 0.2572

Deuteranopia

31.8846, 0.2803, 0.2754



Tritanopia

31.6813, 0.3413, 0.3136

Trichromacy



Original Color

31.6403, 0.3109, 0.2582

Protanomaly

31.6569, 0.2773, 0.2577

Deuteranomaly

31.6682, 0.2911, 0.2687

Tritanomaly

31.4913, 0.3304, 0.2919

Monochromacy



Original Color

31.6403, 0.3109, 0.2582

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

32.5750, 0.3121, 0.3003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6403, 0.3109, 0.2582 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(185, 136, 190)` looks like.

```
.text, #text, p{  
    color:rgb(185, 136, 190)  
}
```

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(185, 136, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 136, 190) }
```

Border

The CSS property to change the border of an element to Yxy 31.6403, 0.3109, 0.2582 is called "border". The border property can be set on classes, ids or directly on the HTML element.

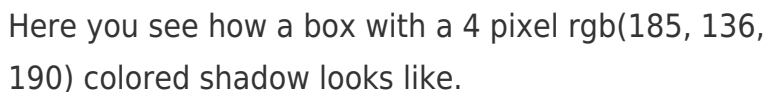
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 136, 190) }
```

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

```
.border{ border-color:rgb(185, 136, 190) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 136, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 136, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 136, 190);  
box-shadow:4px 4px 4px 4px rgb(185, 136,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6403, 0.3109, 0.2582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 136, 190) }
```

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

```
.background{ background-color: rgb(185,  
136, 190) }
```

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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