

Converting Colors

$Y_{xy}(31.9221, 0.3323, 0.3075)$

Have a look what the booklet for
Yxy(31.9221, 0.3323, 0.3075)
contains.

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Color

Yxy(31.8317, 0.3317, 0.3065)

Conversions

Conversions Part 1

Format	Color
Hex	B190A0
RGB	177, 144, 160
RGB Percent	69%, 56%, 63%
CMY	0.3059, 0.4353, 0.3726
CMYK	0.00, 0.19, 0.10, 0.31
HSL	331°, 17%, 63%
HSV	331°, 19%, 69%
XYZ	34.4489, 31.8317, 37.5749
YIQ	155.6910, 14.5320, 11.9720

Conversions

Conversions Part 2

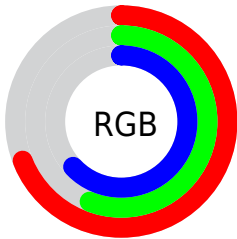
Format	Color
RYB	177, 144, 160
Decimal	11636896
CIELab	63.20, 15.10, -3.73
CIELCh	63, 15.550, 346.134
Yxy	31.8317, 0.3317, 0.3065
Android (android.graphics.Color)	4289826976 (0xFFB190A0)
YUV	155.6910, 2.1243, 18.6880
Hunter-Lab	56.4196, 10.2548, 0.0071

Details

The Yxy color **31.8317, 0.3317, 0.3065** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **39.9504, 0.2971, 0.3527**, and the grayscale version is **33.0868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6181, 0.3277, 0.3106**, and **13.2179, 0.3373, 0.2975** is the 20% darker color. If you saturate the color by 10%, you get **26.5768, 0.3449, 0.2937**, and if you desaturate by 10%, it is **37.9536, 0.3207, 0.3189**.

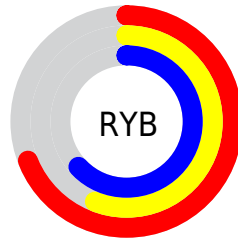
Distribution



Red (69%)

Green (56%)

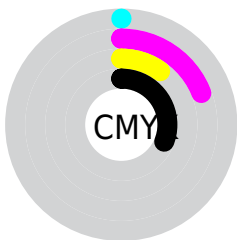
Blue (63%)



Red (69%)

Yellow (56%)

Blue (63%)

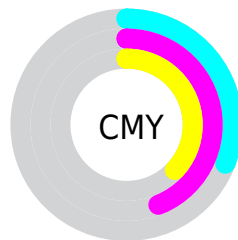


Cyan (0%)

Magenta (19%)

Yellow (10%)

Black (31%)



Cyan (31%)


Magenta (44%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8317, 0.3317, 0.3065 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 31.8317, 0.3317, 0.3065 by changing the saturation by 10% instead.


 31.8317, 0.3317,
0.3065


 31.8317, 0.3317,
0.3065


310.3519, 0.3217,
0.3183

 21.2330, 0.3344,
0.3034


 62.5472, 0.3279,
0.3109

 13.2944, 0.3379,
0.2992


 83.4327, 0.3266,
0.3125

 7.6316, 0.3429,
0.2935


108.5159, 0.3254,
0.3139

 3.8601, 0.3503,
0.2851

138.1813, 0.3244,
0.3150

 1.5956, 0.3624,
0.2714

172.8132, 0.3236,
0.3160

 0.3547, 0.4134,
0.2078

212.7960, 0.3229,

 0.0000, 0.0000,

0.3169

0.0000

258.5141, 0.3223,
0.3176

■ 31.8317, 0.3317,
0.3065

■ 31.8317, 0.3317,
0.3065

■ 26.5768, 0.3449,
0.2937

■ 37.9536, 0.3207,
0.3189

■ 22.1450, 0.3606,
0.2810

■ 44.9752, 0.3116,
0.3305

■ 18.4952, 0.3789,
0.2688

■ 52.9329, 0.3040,
0.3414

■ 15.5807, 0.4000,
0.2583

■ 61.8595, 0.2978,
0.3515

■ 13.3500, 0.4234,
0.2503

■ 71.7864, 0.2927,
0.3608

■ 11.7448, 0.4484,
0.2464

■ 82.7435, 0.2884,
0.3693

■ 10.6969, 0.4739,
0.2473

■ 86.2448, 0.2840,
0.3637

■ 10.0864, 0.4987,
0.2531

■ 86.7536, 0.2793,
0.3532

■ 10.0142, 0.5020,
0.2539

■ 87.2894, 0.2748,
0.3429

Harmonies

Analogous

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



31.8317, 0.3067, 0.2929



31.8317, 0.3317, 0.3065



31.8317, 0.3521, 0.3258

Triad

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



31.8317, 0.3317, 0.3065



31.8317, 0.3408, 0.3726



31.8317, 0.2662, 0.3084

Complementary

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



31.8317, 0.3317, 0.3065



39.9504, 0.2971, 0.3527

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.



31.8317, 0.2746, 0.3304



31.8317, 0.3317, 0.3065



31.8317, 0.3172, 0.3689

Square

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



31.8317, 0.3317, 0.3065



31.8317, 0.3573, 0.3639



31.8317, 0.2930, 0.3531



31.8317, 0.2696, 0.2932

Rectangle

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



31.8317, 0.3317, 0.3065



31.8317, 0.3599, 0.3398



31.8317, 0.2930, 0.3531



31.8317, 0.2677, 0.3152

Sweetspot

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



31.8331, 0.3317, 0.3065



71.0090, 0.3182, 0.3219



30.6485, 0.2984, 0.2813



15.2235, 0.3188, 0.3211



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



31.8331, 0.3317, 0.3065



53.3177, 0.3364, 0.3018



31.3097, 0.3484, 0.3291



8.5715, 0.3214, 0.3180



7.2674, 0.4996, 0.2526



0.2405, 0.4371, 0.2182

Inverse Universe

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



31.8331, 0.3317, 0.3065



53.3177, 0.3364, 0.3018



40.5505, 0.2852, 0.3289



8.5715, 0.3214, 0.3180



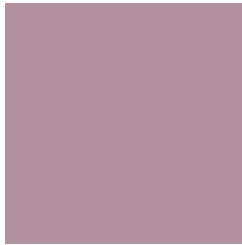
7.2674, 0.4996, 0.2526



0.2405, 0.4371, 0.2182

Previews

White Background



This preview shows how the Yxy color 31.8317, 0.3317, 0.3065 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 31.8317, 0.3317, 0.3065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

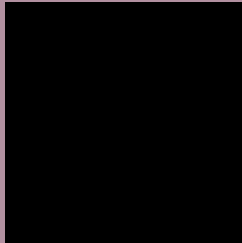
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8317, 0.3317, 0.3065

Background



This preview shows how black text looks on a background with the Yxy color 31.8317, 0.3317, 0.3065.



This preview shows how white text looks on a background with the Yxy color 31.8317, 0.3317, 0.3065.

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

31.8317, 0.3317, 0.3065

Protanopia

31.8485, 0.3009, 0.3094

Deuteranopia

31.9974, 0.3195, 0.3144



Tritanopia

31.8812, 0.3345, 0.3134

Trichromacy



Original Color

31.8317, 0.3317, 0.3065

Protanomaly

31.7163, 0.3117, 0.3084

Deuteranomaly

31.8057, 0.3239, 0.3116

Tritanomaly

31.9152, 0.3335, 0.3120

Monochromacy



Original Color

31.8317, 0.3317, 0.3065

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.7833, 0.3201, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8317, 0.3317, 0.3065 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(177, 144, 160)` looks like.

```
.text, #text, p{  
    color:rgb(177, 144, 160)  
}
```

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(177, 144, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 144, 160) }
```

Border

The CSS property to change the border of an element to Yxy 31.8317, 0.3317, 0.3065 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(177, 144, 160) }
```

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

```
.border{ border-color:rgb(177, 144, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 144, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 144, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 144, 160);  
box-shadow:4px 4px 4px 4px rgb(177, 144,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8317, 0.3317, 0.3065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 144, 160) }
```

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

```
.background{ background-color: rgb(177,  
144, 160) }
```

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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