

Converting Colors

$Y_{xy}(31.8682, 0.3170, 0.3128)$

Have a look what the booklet for
Yxy(31.8682, 0.3170, 0.3128)
contains.

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Color

Yxy(31.8195, 0.3165, 0.3128)

Conversions

Conversions Part 1

Format	Color
Hex	A395A0
RGB	163, 149, 160
RGB Percent	64%, 58%, 63%
CMY	0.3608, 0.4157, 0.3725
CMYK	0.00, 0.09, 0.02, 0.36
HSL	313°, 7%, 61%
HSV	313°, 9%, 64%
XYZ	32.1959, 31.8195, 37.7094
YIQ	154.4400, 4.8130, 6.3890

Conversions

Conversions Part 2

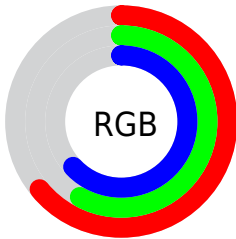
Format	Color
R_{YB}	163, 149, 160
Decimal	10720672
CIE Lab	63.19, 7.19, -3.91
CIE LCh	63, 8.187, 331.465
Yxy	31.8195, 0.3165, 0.3128
Android (android.graphics.Color)	4288910752 (0xFFA395A0)
YUV	154.4400, 2.7411, 7.5071
Hunter-Lab	56.4088, 3.1653, -0.1493

Details

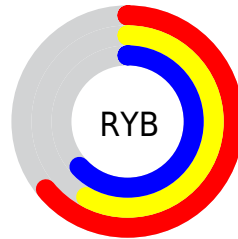
The Yxy color **31.8195, 0.3165, 0.3128** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.8465, 0.3091, 0.3458**, and the grayscale version is **32.5048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5236, 0.3156, 0.3156**, and **13.2190, 0.3167, 0.3060** is the 20% darker color. If you saturate the color by 10%, you get **26.8995, 0.3216, 0.2932**, and if you desaturate by 10%, it is **37.4674, 0.3121, 0.3316**.

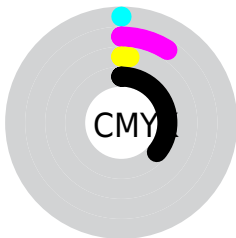
Distribution



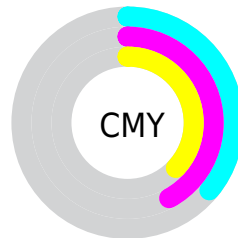
- Red (64%)
- Green (58%)
- Blue (63%)



- Red (64%)
- Yellow (58%)
- Blue (63%)



- Cyan (0%)
- Magenta (9%)
- Yellow (2%)
- Black (36%)



- Cyan (36%)
- Magenta (42%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.8195, 0.3165, 0.3128 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 31.8195, 0.3165, 0.3128 by changing the saturation by 10% instead.

■ 31.8195, 0.3165,
0.3128

■ 31.8195, 0.3165,
0.3128

310.2962, 0.3145,
0.3213

■ 21.2237, 0.3170,
0.3105

■ 62.5280, 0.3158,
0.3160

■ 13.2876, 0.3177,
0.3075

■ 83.4095, 0.3155,
0.3172

■ 7.6269, 0.3186,
0.3033

108.4883, 0.3153,
0.3182

■ 3.8571, 0.3200,
0.2971

138.1488, 0.3151,
0.3190

■ 1.5940, 0.3221,
0.2869

172.7755, 0.3149,
0.3197

■ 0.3535, 0.3358,
0.2320

212.7527, 0.3148,

■ 0.0000, 0.0000,

0.3203

0.0000

258.4648, 0.3146,
0.3209

■ 31.8195, 0.3165,
0.3128

■ 31.8195, 0.3165,
0.3128

■ 26.8995, 0.3216,
0.2932

■ 37.4674, 0.3121,
0.3316

■ 22.6733, 0.3273,
0.2734

■ 43.8673, 0.3084,
0.3494

■ 19.1106, 0.3339,
0.2537

■ 51.0469, 0.3052,
0.3660

■ 16.1769, 0.3411,
0.2352

■ 59.0317, 0.3026,
0.3814

■ 13.8347, 0.3488,
0.2186

■ 67.8457, 0.3003,
0.3956

■ 12.0424, 0.3570,
0.2050

■ 77.5122, 0.2984,
0.4086

■ 10.7532, 0.3653,
0.1952

■ 82.7772, 0.2967,
0.4125

■ 9.9123, 0.3735,
0.1897

■ 82.9245, 0.2950,
0.4083

■ 9.4161, 0.3814,
0.1883

■ 83.0755, 0.2932,
0.4040

Harmonies

Analogous

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



31.8195, 0.3035, 0.3076



31.8195, 0.3165, 0.3128



31.8195, 0.3287, 0.3221

Triad

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



31.8195, 0.3165, 0.3128



31.8195, 0.3325, 0.3505



31.8195, 0.2893, 0.3239

Complementary

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



31.8195, 0.3165, 0.3128



34.8465, 0.3091, 0.3458

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.



31.8195, 0.2968, 0.3358



31.8195, 0.3165, 0.3128



31.8195, 0.3217, 0.3514

Square

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



31.8195, 0.3165, 0.3128



31.8195, 0.3381, 0.3437



31.8195, 0.3086, 0.3461



31.8195, 0.2880, 0.3136

Rectangle

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



31.8195, 0.3165, 0.3128



31.8195, 0.3347, 0.3296



31.8195, 0.3086, 0.3461



31.8195, 0.2912, 0.3278

Sweetspot

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



31.8209, 0.3165, 0.3128



62.4198, 0.3140, 0.3233



30.7973, 0.3025, 0.3078



13.8405, 0.3143, 0.3218



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



31.8209, 0.3165, 0.3128



55.4948, 0.3173, 0.3097



31.5888, 0.3231, 0.3228



7.1763, 0.3168, 0.3115



7.2768, 0.3819, 0.1877



0.1590, 0.3561, 0.1735

Inverse Universe

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



31.8209, 0.3165, 0.3128



55.4948, 0.3173, 0.3097



35.0762, 0.3033, 0.3353



7.1763, 0.3168, 0.3115



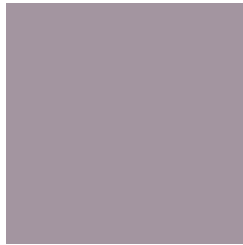
7.2768, 0.3819, 0.1877



0.1590, 0.3561, 0.1735

Previews

White Background



This preview shows how the Yxy color 31.8195, 0.3165, 0.3128 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 31.8195, 0.3165, 0.3128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

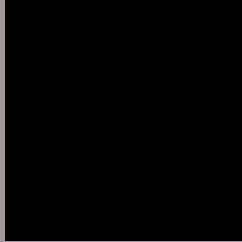
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8195, 0.3165, 0.3128

Background



This preview shows how black text looks on a background with the Yxy color 31.8195, 0.3165, 0.3128.



This preview shows how white text looks on a background with the Yxy color 31.8195, 0.3165, 0.3128.

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

31.8195, 0.3165, 0.3128

Protanopia

31.8374, 0.3045, 0.3139

Deuteranopia

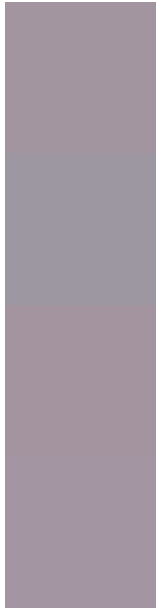
31.7172, 0.3187, 0.3114



Tritanopia

31.8546, 0.3156, 0.3114

Trichromacy



Original Color

31.8195, 0.3165, 0.3128

Protanomaly

31.8745, 0.3094, 0.3141

Deuteranomaly

31.6104, 0.3176, 0.3114

Tritanomaly

31.8546, 0.3156, 0.3114

Monochromacy



Original Color

31.8195, 0.3165, 0.3128

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.0249, 0.3140, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8195, 0.3165, 0.3128 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(163, 149, 160)` looks like.

```
.text, #text, p{  
    color:rgb(163, 149, 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(163, 149, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 149, 160) }
```

Border

The CSS property to change the border of an element to Yxy 31.8195, 0.3165, 0.3128 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(163, 149, 160) }
```

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

```
.border{ border-color:rgb(163, 149, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 149, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 149, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 149, 160);  
box-shadow:4px 4px 4px 4px rgb(163, 149,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8195, 0.3165, 0.3128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 149, 160) }
```

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

```
.background{ background-color: rgb(163,  
149, 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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