

Converting Colors

$Y_{xy}(30.8100, 0.3311, 0.3202)$

Have a look what the booklet for
Yxy(30.8100, 0.3311, 0.3202)
contains.

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Color

Yxy(30.8100, 0.3311, 0.3202)

Conversions

Conversions Part 1

Format	Color
Hex	A89197
RGB	168, 145, 151
RGB Percent	66%, 57%, 59%
CMY	0.3412, 0.4313, 0.4078
CMYK	0.00, 0.14, 0.10, 0.34
HSL	344°, 12%, 61%
HSV	344°, 14%, 66%
XYZ	31.8588, 30.8100, 33.5523
YIQ	152.5610, 11.7820, 6.7420

Conversions

Conversions Part 2

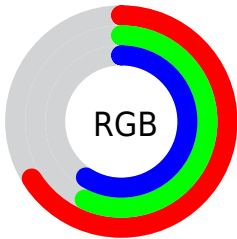
Format	Color
RYB	168, 145, 151
Decimal	11047319
CIELab	62.35, 9.62, -0.01
CIELCh	62, 9.621, 359.956
Yxy	30.8100, 0.3311, 0.3202
Android (android.graphics.Color)	4289237399 (0xFFA89197)
YUV	152.5610, -0.7696, 13.5400
Hunter-Lab	55.5068, 5.3155, 3.0156

Details

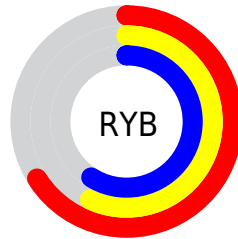
The Yxy color **30.8100, 0.3311, 0.3202** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.6293, 0.2971, 0.3380**, and the grayscale version is **31.6547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9426, 0.3272, 0.3223**, and **12.8175, 0.3380, 0.3186** is the 20% darker color. If you saturate the color by 10%, you get **25.6689, 0.3482, 0.3133**, and if you desaturate by 10%, it is **36.7554, 0.3172, 0.3267**.

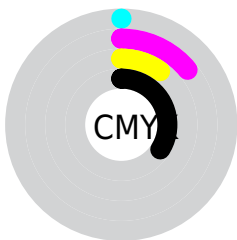
Distribution



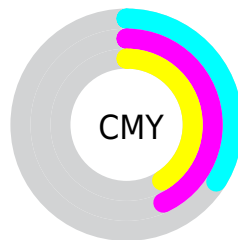
- Red (66%)
- Green (57%)
- Blue (59%)



- Red (66%)
- Yellow (57%)
- Blue (59%)



- Cyan (0%)
- Magenta (14%)
- Yellow (10%)
- Black (34%)





- Cyan (34%)
- Magenta (43%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.8100, 0.3311, 0.3202 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 30.8100, 0.3311, 0.3202 by changing the saturation by 10% instead.


 30.8100, 0.3311,
0.3202


 30.8100, 0.3311,
0.3202


305.6620, 0.3213,
0.3249

 20.4542, 0.3338,
0.3189


 60.9408, 0.3274,
0.3220

 12.7256, 0.3374,
0.3172


 81.4846, 0.3260,
0.3226

 7.2399, 0.3425,
0.3147


106.1932, 0.3249,
0.3232

 3.6126, 0.3503,
0.3110

135.4510, 0.3239,
0.3236

 1.4593, 0.3635,
0.3047

169.6424, 0.3231,
0.3240

 0.2598, 0.4700,
0.2535

209.1518, 0.3224,

 0.0000, 0.0000,

0.3244

0.0000

254.3635, 0.3218,
0.3247

■ 30.8100, 0.3311,
0.3202

■ 30.8100, 0.3311,
0.3202

■ 25.6689, 0.3482,
0.3133

■ 36.7554, 0.3172,
0.3267

■ 21.2936, 0.3691,
0.3063

■ 43.5333, 0.3058,
0.3328

■ 17.6482, 0.3943,
0.2995

■ 51.1758, 0.2965,
0.3383

■ 14.6929, 0.4241,
0.2936

■ 59.7120, 0.2890,
0.3434

■ 12.3834, 0.4583,
0.2893

■ 69.1694, 0.2827,
0.3481

■ 10.6708, 0.4956,
0.2877

■ 79.5746, 0.2775,
0.3523

■ 9.4987, 0.5334,
0.2899

■ 86.0084, 0.2724,
0.3480

■ 8.8000, 0.5681,
0.2962

■ 86.7625, 0.2664,
0.3341

■ 8.5049, 0.5877,
0.3011

■ 87.0636, 0.2642,
0.3289

Harmonies

Analogous

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



30.8100, 0.3164, 0.3094



30.8100, 0.3311, 0.3202



30.8100, 0.3409, 0.3334

Triad

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



30.8100, 0.3311, 0.3202



30.8100, 0.3240, 0.3559



30.8100, 0.2833, 0.3112

Complementary

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



30.8100, 0.3311, 0.3202



36.6293, 0.2971, 0.3380

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.



30.8100, 0.2853, 0.3235



30.8100, 0.3311, 0.3202



30.8100, 0.3085, 0.3499

Square

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



30.8100, 0.3311, 0.3202



30.8100, 0.3367, 0.3542



30.8100, 0.2944, 0.3378



30.8100, 0.2890, 0.3041

Rectangle

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



30.8100, 0.3311, 0.3202



30.8100, 0.3433, 0.3420



30.8100, 0.2944, 0.3378



30.8100, 0.2831, 0.3149

Sweetspot

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



30.8114, 0.3311, 0.3202



66.2560, 0.3177, 0.3265



30.7464, 0.3080, 0.2954



14.2593, 0.3186, 0.3260



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



30.8114, 0.3311, 0.3202



53.3433, 0.3352, 0.3184



32.2989, 0.3362, 0.3370



7.5733, 0.3246, 0.3231



6.4309, 0.5851, 0.2997



0.1646, 0.4951, 0.2501

Inverse Universe

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



30.8114, 0.3311, 0.3202



53.3433, 0.3352, 0.3184



34.9089, 0.2921, 0.3209



7.5733, 0.3246, 0.3231



6.4309, 0.5851, 0.2997



0.1646, 0.4951, 0.2501

Previews

White Background



This preview shows how the Yxy color 30.8100, 0.3311, 0.3202 looks on a white background.

Color Contrast Check

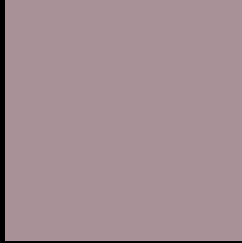
Large Text (above 18pt) WCAG AA × Fail

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 30.8100, 0.3311, 0.3202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

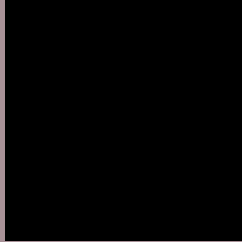
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.8100, 0.3311, 0.3202

Background



This preview shows how black text looks on a background with the Yxy color 30.8100, 0.3311, 0.3202.



This preview shows how white text looks on a background with the Yxy color 30.8100, 0.3311, 0.3202.

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

30.8100, 0.3311, 0.3202

Protanopia

30.9181, 0.3120, 0.3229

Deuteranopia

30.7915, 0.3278, 0.3216



Tritanopia

30.7818, 0.3273, 0.3115

Trichromacy



Original Color

30.8100, 0.3311, 0.3202

Protanomaly

30.7488, 0.3182, 0.3214

Deuteranomaly

30.8991, 0.3288, 0.3216

Tritanomaly

30.7146, 0.3293, 0.3144

Monochromacy



Original Color

30.8100, 0.3311, 0.3202

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.3488, 0.3190, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8100, 0.3311, 0.3202 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(168, 145, 151)` looks like.

```
.text, #text, p{  
    color:rgb(168, 145, 151)  
}
```

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(168, 145, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 145, 151) }
```

Border

The CSS property to change the border of an element to Yxy 30.8100, 0.3311, 0.3202 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(168, 145, 151) }
```

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

```
.border{ border-color:rgb(168, 145, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 145, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 145, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 145, 151);  
box-shadow:4px 4px 4px 4px rgb(168, 145,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8100, 0.3311, 0.3202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 145, 151) }
```

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

```
.background{ background-color: rgb(168,  
145, 151) }
```

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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