

Converting Colors

$Yxy(31.8114, 0.3384, 0.3436)$

Have a look what the booklet for
Yxy(31.8114, 0.3384, 0.3436)
contains.

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Color

Yxy(31.8131, 0.3392, 0.3440)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | A6968C |
| RGB | 166, 150, 140 |
| RGB Percent | 65%, 59%, 55% |
| CMY | 0.3489, 0.4118, 0.4510 |
| CMYK | 0.00, 0.10, 0.16, 0.35 |
| HSL | 23°, 13%, 60% |
| HSV | 23°, 16%, 65% |
| XYZ | 31.3692, 31.8131, 29.2976 |
| YIQ | 153.6440, 12.7460, 0.2820 |

Conversions

Conversions Part 2

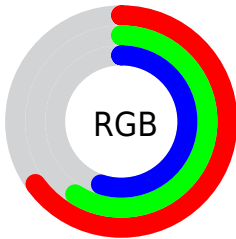
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 166, 156, 140 |
| Decimal | 10917516 |
| CIELab | 63.19, 4.21, 7.41 |
| CIELCh | 63, 8.523, 60.427 |
| Yxy | 31.8131, 0.3392, 0.3440 |
| Android (android.graphics.Color) | 4289107596 (0xFFA6968C) |
| YUV | 153.6440, -6.7265, 10.8362 |
| Hunter-Lab | 56.4031, 0.5693, 8.6850 |

Details

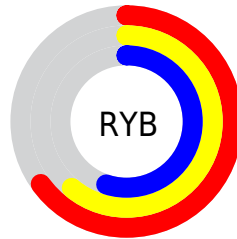
The Yxy color **31.8131, 0.3392, 0.3440** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.1150, 0.2889, 0.3135**, and the grayscale version is **32.1782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4529, 0.3333, 0.3404**, and **13.2393, 0.3485, 0.3483** is the 20% darker color. If you saturate the color by 10%, you get **28.2392, 0.3597, 0.3542**, and if you desaturate by 10%, it is **35.7485, 0.3216, 0.3343**.

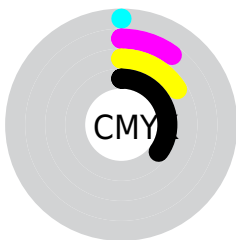
Distribution



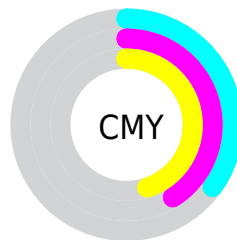
- Red (65%)
- Green (59%)
- Blue (55%)



- Red (65%)
- Yellow (61%)
- Blue (55%)



- Cyan (0%)
- Magenta (10%)
- Yellow (16%)
- Black (35%)





- Cyan (35%)
- Magenta (41%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8131, 0.3392, 0.3440 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 31.8131, 0.3392, 0.3440 by changing the saturation by 10% instead.


 31.8131, 0.3392,
0.3440


 31.8131, 0.3392,
0.3440


310.2670, 0.3251,
0.3361

 21.2188, 0.3431,
0.3461


 62.5180, 0.3338,
0.3411

 13.2840, 0.3482,
0.3488


 83.3973, 0.3319,
0.3400

 7.6244, 0.3555,
0.3526


 108.4738, 0.3303,
0.3391

 3.8556, 0.3666,
0.3582

138.1318, 0.3289,
0.3383

 1.5931, 0.3851,
0.3671

172.7557, 0.3277,
0.3377

 0.3529, 0.5539,
0.4461

212.7300, 0.3267,

 0.0000, 0.0000,

0.3371

0.0000

258.4389, 0.3258,
0.3366

■ 31.8131, 0.3392,
0.3440

■ 31.8131, 0.3392,
0.3440

■ 28.2392, 0.3597,
0.3542

■ 35.7485, 0.3216,
0.3343

■ 25.0119, 0.3833,
0.3646

■ 40.0512, 0.3065,
0.3251

■ 22.1217, 0.4102,
0.3746

■ 44.7323, 0.2935,
0.3167

■ 19.5568, 0.4399,
0.3836

■ 49.8011, 0.2824,
0.3089

■ 17.3047, 0.4719,
0.3904

■ 55.2664, 0.2729,
0.3019

■ 15.3520, 0.5044,
0.3938

■ 61.1369, 0.2647,
0.2954

■ 13.6840, 0.5352,
0.3927

■ 67.3425, 0.2582,
0.2908

■ 12.2838, 0.5618,
0.3867

■ 72.9255, 0.2598,
0.3027

■ 11.7513, 0.5727,
0.3835

■ 78.8433, 0.2614,
0.3144

Harmonies

Analogous

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



31.8131, 0.3375, 0.3331



31.8131, 0.3392, 0.3440



31.8131, 0.3336, 0.3512

Triad

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



31.8131, 0.3392, 0.3440



31.8131, 0.2965, 0.3365



31.8131, 0.3026, 0.3066

Complementary

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



31.8131, 0.3392, 0.3440



32.1150, 0.2889, 0.3135

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.



31.8131, 0.2920, 0.3071



31.8131, 0.3392, 0.3440



31.8131, 0.2885, 0.3241

Square

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



31.8131, 0.3392, 0.3440



31.8131, 0.3089, 0.3471



31.8131, 0.2869, 0.3133



31.8131, 0.3162, 0.3119

Rectangle

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



31.8131, 0.3392, 0.3440



31.8131, 0.3266, 0.3528



31.8131, 0.2869, 0.3133



31.8131, 0.2986, 0.3061

Sweetspot

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



31.8145, 0.3392, 0.3440



65.2960, 0.3206, 0.3337



29.2675, 0.3246, 0.3053



14.4988, 0.3217, 0.3343



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.



31.8145, 0.3392, 0.3440



55.2620, 0.3464, 0.3477



36.1925, 0.3363, 0.3627



7.9972, 0.3276, 0.3377



9.1947, 0.5711, 0.3847



0.3231, 0.5110, 0.4325

Inverse Universe

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



32.1150, 0.2889, 0.3135



55.9169, 0.2832, 0.3095



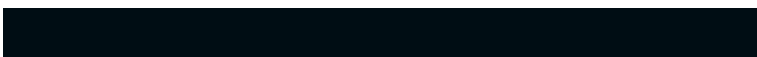
27.9851, 0.2881, 0.2929



8.0407, 0.2987, 0.3201



9.6314, 0.1890, 0.2004



0.3288, 0.2022, 0.2477

Previews

White Background



This preview shows how the Yxy color 31.8131, 0.3392, 0.3440 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 31.8131, 0.3392, 0.3440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

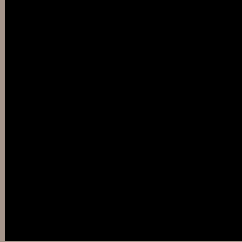
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8131, 0.3392, 0.3440

Background



This preview shows how black text looks on a background with the Yxy color 31.8131, 0.3392, 0.3440.



This preview shows how white text looks on a background with the Yxy color 31.8131, 0.3392, 0.3440.

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

31.8131, 0.3392, 0.3440

Protanopia

31.6487, 0.3293, 0.3459

Deuteranopia

31.8439, 0.3461, 0.3408



Tritanopia

31.6955, 0.3228, 0.3116

Trichromacy



Original Color

31.8131, 0.3392, 0.3440

Protanomaly

31.6334, 0.3327, 0.3442

Deuteranomaly

31.9344, 0.3437, 0.3424

Tritanomaly

31.6623, 0.3286, 0.3232

Monochromacy



Original Color

31.8131, 0.3392, 0.3440

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.2215, 0.3215, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8131, 0.3392, 0.3440 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(166, 150, 140)` looks like.

```
.text, #text, p{  
    color:rgb(166, 150, 140)  
}
```

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(166, 150, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 150, 140) }
```

Border

The CSS property to change the border of an element to Yxy 31.8131, 0.3392, 0.3440 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(166, 150, 140) }
```

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

```
.border{ border-color:rgb(166, 150, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 150, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 150, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 150, 140);  
box-shadow:4px 4px 4px 4px rgb(166, 150,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8131, 0.3392, 0.3440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 150, 140) }
```

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

```
.background{ background-color: rgb(166,  
150, 140) }
```

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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