

Converting Colors

$Y_{xy}(31.3773, 0.3204, 0.3170)$

Have a look what the booklet for
Yxy(31.3773, 0.3204, 0.3170)
contains.

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Color

Yxy(31.3666, 0.3205, 0.3172)

Conversions

Conversions Part 1

Format	Color
Hex	A3949C
RGB	163, 148, 156
RGB Percent	64%, 58%, 61%
CMY	0.3608, 0.4196, 0.3883
CMYK	0.00, 0.09, 0.04, 0.36
HSL	328°, 8%, 61%
HSV	328°, 9%, 64%
XYZ	31.6929, 31.3666, 35.8264
YIQ	153.3970, 6.3720, 5.6680

Conversions

Conversions Part 2

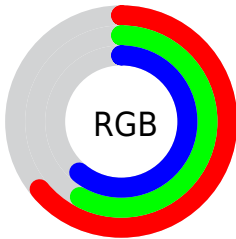
Format	Color
RYB	163, 148, 156
Decimal	10720412
CIELab	62.82, 7.00, -2.18
CIELCh	63, 7.329, 342.660
Yxy	31.3666, 0.3205, 0.3172
Android (android.graphics.Color)	4288910492 (0xFFA3949C)
YUV	153.3970, 1.2833, 8.4218
Hunter-Lab	56.0059, 3.0003, 1.2770

Details

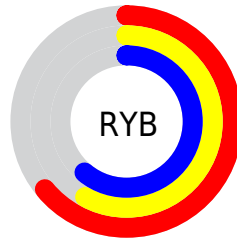
The Yxy color **31.3666, 0.3205, 0.3172** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.8578, 0.3056, 0.3411**, and the grayscale version is **32.0295, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7996, 0.3193, 0.3200**, and **12.9488, 0.3225, 0.3121** is the 20% darker color. If you saturate the color by 10%, you get **26.3587, 0.3306, 0.3037**, and if you desaturate by 10%, it is **37.1136, 0.3121, 0.3300**.

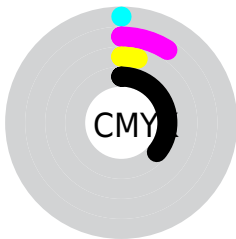
Distribution



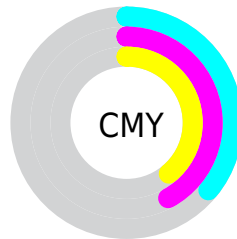
- Red (64%)
- Green (58%)
- Blue (61%)



- Red (64%)
- Yellow (58%)
- Blue (61%)



- Cyan (0%)
- Magenta (9%)
- Yellow (4%)
- Black (36%)



- Cyan (36%)
- Magenta (42%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.3666, 0.3205, 0.3172 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 31.3666, 0.3205, 0.3172 by changing the saturation by 10% instead.

■ 31.3666, 0.3205,
0.3172

■ 31.3666, 0.3205,
0.3172

308.2237, 0.3164,
0.3234

■ 20.8782, 0.3216,
0.3155

■ 61.8168, 0.3189,
0.3196

■ 13.0350, 0.3231,
0.3133

■ 82.5473, 0.3184,
0.3204

■ 7.4526, 0.3252,
0.3101

107.4607, 0.3179,
0.3211

■ 3.7468, 0.3283,
0.3055

136.9413, 0.3175,
0.3217

■ 1.5329, 0.3335,
0.2977

171.3735, 0.3172,
0.3223

■ 0.3117, 0.3675,
0.2453

211.1417, 0.3169,

■ 0.0000, 0.0000,

0.3227

0.0000

256.6303, 0.3166,
0.3231

■ 31.3666, 0.3205,
0.3172

■ 31.3666, 0.3205,
0.3172

■ 26.3587, 0.3306,
0.3037

■ 37.1136, 0.3121,
0.3300

■ 22.0555, 0.3426,
0.2898

■ 43.6240, 0.3051,
0.3420

■ 18.4261, 0.3567,
0.2760

■ 50.9261, 0.2993,
0.3531

■ 15.4356, 0.3731,
0.2628

■ 59.0456, 0.2945,
0.3633

■ 13.0460, 0.3918,
0.2513

■ 68.0070, 0.2905,
0.3727

■ 11.2151, 0.4124,
0.2425

■ 77.8336, 0.2872,
0.3813

■ 9.8954, 0.4344,
0.2375

■ 83.9300, 0.2839,
0.3818

■ 9.0311, 0.4568,
0.2374

■ 84.3182, 0.2801,
0.3726

■ 8.5075, 0.4788,
0.2418

■ 84.7248, 0.2763,
0.3635

Harmonies

Analogous

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



31.3666, 0.3087, 0.3109



31.3666, 0.3205, 0.3172



31.3666, 0.3304, 0.3265

Triad

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



31.3666, 0.3205, 0.3172



31.3666, 0.3273, 0.3493



31.3666, 0.2905, 0.3207

Complementary

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



31.3666, 0.3205, 0.3172



34.8578, 0.3056, 0.3411

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.



31.3666, 0.2953, 0.3312



31.3666, 0.3205, 0.3172



31.3666, 0.3164, 0.3480

Square

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



31.3666, 0.3205, 0.3172



31.3666, 0.3343, 0.3451



31.3666, 0.3048, 0.3413



31.3666, 0.2915, 0.3127

Rectangle

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



31.3666, 0.3205, 0.3172



31.3666, 0.3344, 0.3334



31.3666, 0.3048, 0.3413



31.3666, 0.2915, 0.3240

Sweetspot

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



31.3680, 0.3205, 0.3172



62.3391, 0.3152, 0.3252



30.7952, 0.3057, 0.3065



13.8178, 0.3158, 0.3242



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.



31.3680, 0.3205, 0.3172



54.2744, 0.3224, 0.3145



31.1226, 0.3279, 0.3283



7.1460, 0.3206, 0.3171



6.5915, 0.4788, 0.2411



0.1480, 0.4080, 0.2021

Inverse Universe

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



31.3680, 0.3205, 0.3172



54.2744, 0.3224, 0.3145



35.1167, 0.2993, 0.3297



7.1460, 0.3206, 0.3171



6.5915, 0.4788, 0.2411



0.1480, 0.4080, 0.2021

Previews

White Background



This preview shows how the Yxy color 31.3666, 0.3205, 0.3172 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 31.3666, 0.3205, 0.3172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

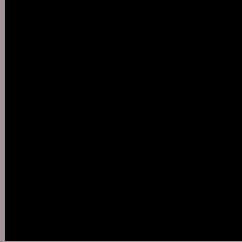
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3666, 0.3205, 0.3172

Background



This preview shows how black text looks on a background with the Yxy color 31.3666, 0.3205, 0.3172.



This preview shows how white text looks on a background with the Yxy color 31.3666, 0.3205, 0.3172.

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

31.3666, 0.3205, 0.3172

Protanopia

31.3741, 0.3082, 0.3184

Deuteranopia

31.2671, 0.3227, 0.3158



Tritanopia

31.4695, 0.3176, 0.3128

Trichromacy



Original Color

31.3666, 0.3205, 0.3172

Protanomaly

31.4151, 0.3132, 0.3185

Deuteranomaly

31.1603, 0.3216, 0.3157

Tritanomaly

31.4350, 0.3185, 0.3142

Monochromacy



Original Color

31.3666, 0.3205, 0.3172

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.6344, 0.3160, 0.3245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3666, 0.3205, 0.3172 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, 148, 156)` looks like.

```
.text, #text, p{  
    color:rgb(163, 148, 156)  
}
```

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, 148, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 148, 156) }
```

Border

The CSS property to change the border of an element to Yxy 31.3666, 0.3205, 0.3172 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, 148, 156) }
```

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

```
.border{ border-color:rgb(163, 148, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 148, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 148, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 148, 156);  
box-shadow:4px 4px 4px 4px rgb(163, 148,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3666, 0.3205, 0.3172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 148, 156) }
```

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

```
.background{ background-color: rgb(163,  
148, 156) }
```

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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