

Converting Colors

$Y_{xy}(31.6680, 0.3675, 0.3875)$

Have a look what the booklet for
Yxy(31.6680, 0.3675, 0.3875)
contains.

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Color

Yxy(31.5410, 0.3672, 0.3863)

Conversions

Conversions Part 1

Format	Color
Hex	A79771
RGB	167, 151, 113
RGB Percent	65%, 59%, 44%
CMY	0.3451, 0.4078, 0.5569
CMYK	0.00, 0.10, 0.32, 0.35
HSL	42°, 23%, 55%
HSV	42°, 32%, 65%
XYZ	29.9815, 31.5410, 20.1265
YIQ	151.4520, 21.7340, -8.4260

Conversions

Conversions Part 2

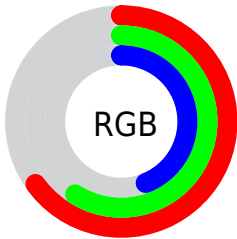
Format	Color
RYB	136, 167, 113
Decimal	10983281
CIELab	62.96, 0.01, 22.21
CIELCh	63, 22.212, 89.973
Yxy	31.5410, 0.3672, 0.3863
Android (android.graphics.Color)	4289173361 (0xFFA79771)
YUV	151.4520, -18.9568, 13.6356
Hunter-Lab	56.1614, -2.9910, 18.0653

Details

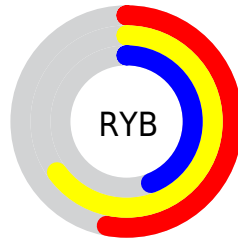
The Yxy color **31.5410, 0.3672, 0.3863** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **21.9920, 0.2597, 0.2641**, and the grayscale version is **31.2271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0672, 0.3566, 0.3748**, and **13.0734, 0.3844, 0.4036** is the 20% darker color. If you saturate the color by 10%, you get **29.6426, 0.3865, 0.4041**, and if you desaturate by 10%, it is **33.5782, 0.3489, 0.3681**.

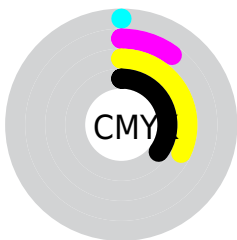
Distribution



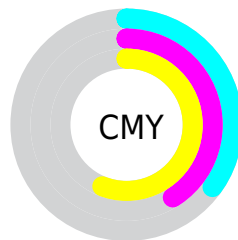
- Red (65%)
- Green (59%)
- Blue (44%)



- Red (53%)
- Yellow (65%)
- Blue (44%)



- Cyan (0%)
- Magenta (10%)
- Yellow (32%)
- Black (35%)





- Cyan (35%)
- Magenta (41%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5410, 0.3672, 0.3863 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 31.5410, 0.3672, 0.3863 by changing the saturation by 10% instead.


 31.5410, 0.3672,
0.3863


 31.5410, 0.3672,
0.3863


309.0230, 0.3384,
0.3560

 21.0112, 0.3748,
0.3943


 62.0908, 0.3564,
0.3749


 13.1322, 0.3848,
0.4048


 82.8796, 0.3524,
0.3708

 7.5196, 0.3984,
0.4191


 107.8568, 0.3491,
0.3673

 3.7891, 0.4175,
0.4391

 137.4068, 0.3463,
0.3644

 1.5563, 0.4858,
0.5110

171.9140, 0.3439,
0.3618

 0.3279, 0.4875,
0.5125

211.7629, 0.3418,

 0.0000, 0.0000,

0.3596

0.0000

257.3378, 0.3400,
0.3577

■ 31.5410, 0.3672,
0.3863

■ 31.5410, 0.3672,
0.3863

■ 29.6426, 0.3865,
0.4041

■ 33.5782, 0.3489,
0.3681

■ 27.8741, 0.4062,
0.4207

■ 35.7541, 0.3318,
0.3502

■ 26.2319, 0.4256,
0.4351

■ 38.0742, 0.3162,
0.3329

■ 24.7105, 0.4439,
0.4463

■ 40.5425, 0.3020,
0.3166

■ 23.3038, 0.4602,
0.4533

■ 43.1625, 0.2892,
0.3013

■ 22.0046, 0.4738,
0.4555

■ 45.9378, 0.2777,
0.2872

■ 21.0704, 0.4828,
0.4549

■ 48.8716, 0.2675,
0.2742

■ 51.9673, 0.2583,
0.2623

■ 54.6832, 0.2545,
0.2596

Harmonies

Analogous

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



31.5410, 0.3825, 0.3655



31.5410, 0.3672, 0.3863



31.5410, 0.3375, 0.3922

Triad

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



31.5410, 0.3672, 0.3863



31.5410, 0.2514, 0.3149



31.5410, 0.3204, 0.2858

Complementary

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



31.5410, 0.3672, 0.3863



21.9920, 0.2597, 0.2641

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.



31.5410, 0.2855, 0.2728



31.5410, 0.3672, 0.3863



31.5410, 0.2473, 0.2875

Square

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



31.5410, 0.3672, 0.3863



31.5410, 0.2710, 0.3491



31.5410, 0.2594, 0.2729



31.5410, 0.3548, 0.3088

Rectangle

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



31.5410, 0.3672, 0.3863



31.5410, 0.3140, 0.3852



31.5410, 0.2594, 0.2729



31.5410, 0.3083, 0.2802

Sweetspot

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



31.5424, 0.3672, 0.3863



64.9159, 0.3283, 0.3464



21.6119, 0.3632, 0.3041



14.4040, 0.3305, 0.3488



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.



31.5424, 0.3672, 0.3863



53.9674, 0.3813, 0.3995



35.9129, 0.3495, 0.4109



8.3932, 0.3269, 0.3448



16.2133, 0.4820, 0.4555



0.4769, 0.4571, 0.4753

Inverse Universe

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



21.9920, 0.2597, 0.2641



34.1132, 0.2465, 0.2463



18.8664, 0.2675, 0.2385



7.6490, 0.2986, 0.3127



3.9193, 0.1616, 0.1017



0.1830, 0.1802, 0.1688

Previews

White Background



This preview shows how the Yxy color 31.5410, 0.3672, 0.3863 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 31.5410, 0.3672, 0.3863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

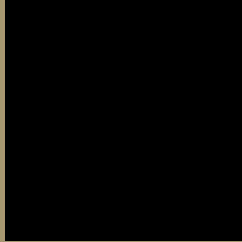
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5410, 0.3672, 0.3863

Background



This preview shows how black text looks on a background with the Yxy color 31.5410, 0.3672, 0.3863.



This preview shows how white text looks on a background with the Yxy color 31.5410, 0.3672, 0.3863.

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

31.5410, 0.3672, 0.3863

Protanopia

31.4579, 0.3614, 0.3871

Deuteranopia

31.4760, 0.3830, 0.3751



Tritanopia

31.4558, 0.3293, 0.3118

Trichromacy



Original Color

31.5410, 0.3672, 0.3863

Protanomaly

31.5639, 0.3625, 0.3868

Deuteranomaly

31.5087, 0.3764, 0.3789

Tritanomaly

31.3366, 0.3431, 0.3379

Monochromacy



Original Color

31.5410, 0.3672, 0.3863

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.1075, 0.3324, 0.3507

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5410, 0.3672, 0.3863 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(167, 151, 113)` looks like.

```
.text, #text, p{  
    color:rgb(167, 151, 113)  
}
```

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(167, 151, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 151, 113) }
```

Border

The CSS property to change the border of an element to Yxy 31.5410, 0.3672, 0.3863 is called "border". The border property can be set on classes, ids or directly on the HTML element.

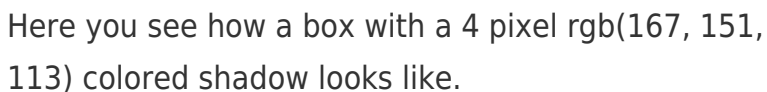
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 151, 113) }
```

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

```
.border{ border-color:rgb(167, 151, 113) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 151, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 151, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 151, 113); box-shadow:4px 4px 4px 4px rgb(167, 151, 113) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5410, 0.3672, 0.3863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 151, 113) }
```

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

```
.background{ background-color: rgb(167,  
151, 113) }
```

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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