

Converting Colors

$Yxy(31.0163, 0.3615, 0.3680)$

Have a look what the booklet for
Yxy(31.0163, 0.3615, 0.3680)
contains.

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Color

Yxy(31.0200, 0.3615, 0.3681)

Conversions

Conversions Part 1

Format	Color
Hex	A9947A
RGB	169, 148, 122
RGB Percent	66%, 58%, 48%
CMY	0.3373, 0.4196, 0.5217
CMYK	0.00, 0.12, 0.28, 0.34
HSL	33°, 21%, 57%
HSV	33°, 28%, 66%
XYZ	30.4638, 31.0200, 22.7868
YIQ	151.3150, 20.8620, -3.6340

Conversions

Conversions Part 2

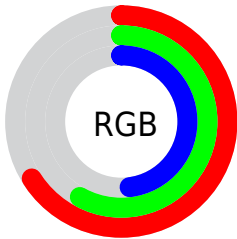
Format	Color
RYB	160, 169, 122
Decimal	11113594
CIELab	62.52, 3.71, 16.65
CIElCh	63, 17.054, 77.434
Yxy	31.0200, 0.3615, 0.3681
Android (android.graphics.Color)	4289303674 (0xFFA9947A)
YUV	151.3150, -14.4523, 15.5097
Hunter-Lab	55.6956, 0.1668, 14.7296

Details

The Yxy color **31.0200, 0.3615, 0.3681** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **26.6372, 0.2688, 0.2864**, and the grayscale version is **31.1459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3046, 0.3522, 0.3610**, and **12.7434, 0.3783, 0.3802** is the 20% darker color. If you saturate the color by 10%, you get **28.3477, 0.3829, 0.3827**, and if you desaturate by 10%, it is **33.9223, 0.3421, 0.3536**.

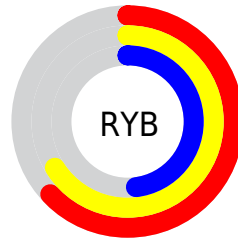
Distribution



Red (66%)

Green (58%)

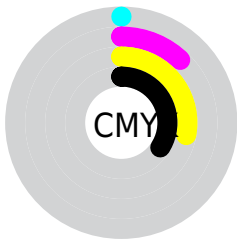
Blue (48%)



Red (63%)

Yellow (66%)

Blue (48%)

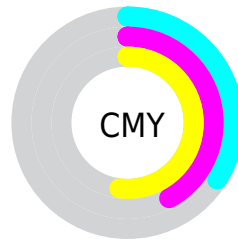


Cyan (0%)

Magenta (12%)

Yellow (28%)

Black (34%)



Cyan (34%)


Magenta (42%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0200, 0.3615, 0.3681 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 31.0200, 0.3615, 0.3681 by changing the saturation by 10% instead.


 31.0200, 0.3615,
0.3681


 31.0200, 0.3615,
0.3681


306.6304, 0.3354,
0.3475

 20.6141, 0.3686,
0.3735


 61.2716, 0.3516,
0.3604

 12.8422, 0.3780,
0.3807


 81.8860, 0.3480,
0.3576

 7.3200, 0.3911,
0.3904


 106.6720, 0.3450,
0.3552

 3.6630, 0.4105,
0.4042

136.0141, 0.3425,
0.3532

 1.4869, 0.4574,
0.4402

170.2966, 0.3404,
0.3515

 0.2795, 0.5604,
0.4396

209.9039, 0.3385,

 0.0000, 0.0000,

0.3500

0.0000

255.2204, 0.3369,
0.3487

■ 31.0200, 0.3615,
0.3681

■ 31.0200, 0.3615,
0.3681

■ 28.3477, 0.3829,
0.3827

■ 33.9223, 0.3421,
0.3536

■ 25.8945, 0.4061,
0.3967

■ 37.0567, 0.3249,
0.3395

■ 23.6547, 0.4306,
0.4092

■ 40.4306, 0.3095,
0.3262

■ 21.6206, 0.4554,
0.4191

■ 44.0499, 0.2961,
0.3137

■ 19.7839, 0.4795,
0.4252

■ 47.9200, 0.2842,
0.3022

■ 18.1353, 0.5014,
0.4265

■ 52.0464, 0.2738,
0.2916

■ 16.6615, 0.5202,
0.4229

■ 56.4341, 0.2647,
0.2819

■ 16.3600, 0.5242,
0.4220

■ 60.9471, 0.2578,
0.2753

■ 64.7231, 0.2589,
0.2843

Harmonies

Analogous

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



31.0200, 0.3670, 0.3492



31.0200, 0.3615, 0.3681



31.0200, 0.3427, 0.3774

Triad

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



31.0200, 0.3615, 0.3681



31.0200, 0.2700, 0.3293



31.0200, 0.3072, 0.2897

Complementary

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



31.0200, 0.3615, 0.3681



26.6372, 0.2688, 0.2864

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.



31.0200, 0.2821, 0.2837



31.0200, 0.3615, 0.3681



31.0200, 0.2614, 0.3051

Square

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



31.0200, 0.3615, 0.3681



31.0200, 0.2899, 0.3548



31.0200, 0.2657, 0.2889



31.0200, 0.3348, 0.3050

Rectangle

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



31.0200, 0.3615, 0.3681



31.0200, 0.3255, 0.3760



31.0200, 0.2657, 0.2889



31.0200, 0.2982, 0.2865

Sweetspot

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



31.0214, 0.3615, 0.3681



66.1803, 0.3254, 0.3399



24.3362, 0.3455, 0.2972



14.2406, 0.3278, 0.3419



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.



31.0214, 0.3615, 0.3681



52.7472, 0.3736, 0.3766



37.9579, 0.3515, 0.3975



8.2049, 0.3272, 0.3415



12.3011, 0.5228, 0.4231



0.3991, 0.4804, 0.4567

Inverse Universe

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



26.6372, 0.2688, 0.2864



43.6641, 0.2593, 0.2761



21.0880, 0.2676, 0.2511



7.8313, 0.2987, 0.3162



6.0353, 0.1732, 0.1434



0.2497, 0.1914, 0.2089

Previews

White Background



This preview shows how the Yxy color 31.0200, 0.3615, 0.3681 looks on a white background.

Color Contrast Check

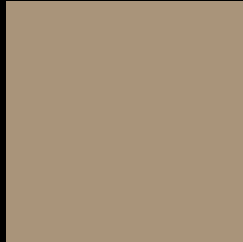
Large Text (above 18pt) WCAG AA × Fail

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 31.0200, 0.3615, 0.3681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

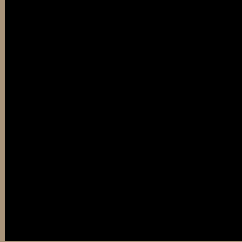
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.0200, 0.3615, 0.3681

Background



This preview shows how black text looks on a background with the Yxy color 31.0200, 0.3615, 0.3681.



This preview shows how white text looks on a background with the Yxy color 31.0200, 0.3615, 0.3681.

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

31.0200, 0.3615, 0.3681

Protanopia

31.0369, 0.3495, 0.3723

Deuteranopia

30.9110, 0.3694, 0.3613



Tritanopia

30.8957, 0.3327, 0.3118

Trichromacy



Original Color

31.0200, 0.3615, 0.3681

Protanomaly

31.0293, 0.3531, 0.3703

Deuteranomaly

30.8721, 0.3657, 0.3631

Tritanomaly

31.0046, 0.3437, 0.3320

Monochromacy



Original Color

31.0200, 0.3615, 0.3681

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.9752, 0.3307, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0200, 0.3615, 0.3681 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(169, 148, 122)` looks like.

```
.text, #text, p{  
    color:rgb(169, 148, 122)  
}
```

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(169, 148, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 148, 122) }
```

Border

The CSS property to change the border of an element to Yxy 31.0200, 0.3615, 0.3681 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(169, 148, 122) }
```

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

```
.border{ border-color:rgb(169, 148, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 148, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 148, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 148, 122);  
box-shadow:4px 4px 4px 4px rgb(169, 148,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0200, 0.3615, 0.3681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 148, 122) }
```

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

```
.background{ background-color: rgb(169,  
148, 122) }
```

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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