

Converting Colors

$Yxy(32.0608, 0.3849, 0.3669)$

Have a look what the booklet for
Yxy(32.0608, 0.3849, 0.3669)
contains.

Yxy(31.9979, 0.3859, 0.3670)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.9979, 0.3859, 0.3670)

Conversions

Conversions Part 1

Format	Color
Hex	BA9176
RGB	186, 145, 118
RGB Percent	73%, 57%, 46%
CMY	0.2706, 0.4314, 0.5372
CMYK	0.00, 0.22, 0.37, 0.27
HSL	24°, 33%, 60%
HSV	24°, 37%, 73%
XYZ	33.6457, 31.9979, 21.5441
YIQ	154.1810, 33.1030, 0.2950

Conversions

Conversions Part 2

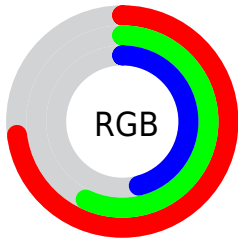
Format	Color
RYB	186, 163, 118
Decimal	12226934
CIELab	63.34, 11.71, 20.25
CIELCh	63, 23.395, 59.960
Yxy	31.9979, 0.3859, 0.3670
Android (android.graphics.Color)	4290417014 (0xFFBA9176)
YUV	154.1810, -17.8372, 27.9053
Hunter-Lab	56.5667, 7.1797, 17.0154

Details

The Yxy color **31.9979, 0.3859, 0.3670** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.1954, 0.2564, 0.2872**, and the grayscale version is **32.4684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.8038, 0.3711, 0.3605**, and **13.4394, 0.4101, 0.3794** is the 20% darker color. If you saturate the color by 10%, you get **28.3398, 0.4130, 0.3774**, and if you desaturate by 10%, it is **36.0847, 0.3619, 0.3562**.

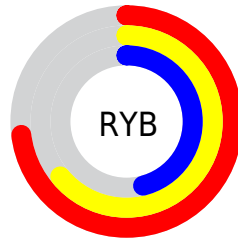
Distribution



Red (73%)

Green (57%)

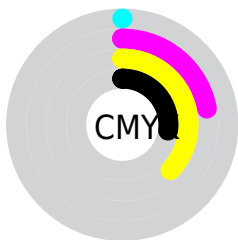
Blue (46%)



Red (73%)

Yellow (64%)

Blue (46%)

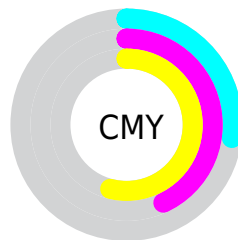


Cyan (0%)

Magenta (22%)

Yellow (37%)

Black (27%)



Cyan (27%)


Magenta (43%)

Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9979, 0.3859, 0.3670 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 31.9979, 0.3859, 0.3670 by changing the saturation by 10% instead.


 31.9979, 0.3859,
0.3670


 31.9979, 0.3859,
0.3670


311.1097, 0.3468,
0.3479


 21.3599, 0.3964,
0.3717


 62.8078, 0.3711,
0.3601

 13.3873, 0.4104,
0.3775


 83.7485, 0.3657,
0.3575

 7.6958, 0.4297,
0.3849


 108.8922, 0.3613,
0.3553

 3.9009, 0.4577,
0.3942

138.6233, 0.3575,
0.3534

 1.6183, 0.5256,
0.4240

173.3262, 0.3542,
0.3517

 0.3699, 0.6328,
0.3672

213.3853, 0.3514,

 0.0000, 0.0000,

0.3503

0.0000

259.1850, 0.3490,
0.3490

■ 31.9979, 0.3859,
0.3670

■ 31.9979, 0.3859,
0.3670

■ 28.3398, 0.4130,
0.3774

■ 36.0847, 0.3619,
0.3562

■ 25.0908, 0.4430,
0.3865

■ 40.6096, 0.3411,
0.3456

■ 22.2366, 0.4748,
0.3932


■ 45.5876, 0.3231,
0.3354


■ 19.7600, 0.5068,
0.3964


■ 51.0314, 0.3077,
0.3258

■ 17.6423, 0.5368,
0.3947

■ 56.9533, 0.2945,
0.3169

 15.8614, 0.5623,
0.3880

 63.3650, 0.2831,
0.3088

 15.3169, 0.5706,
0.3852

 70.2779, 0.2734,
0.3014

 76.9187, 0.2709,
0.3068

 83.5346, 0.2722,
0.3191

Harmonies

Analogous

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



31.9979, 0.3813, 0.3375



31.9979, 0.3859, 0.3670



31.9979, 0.3698, 0.3890

Triad

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



31.9979, 0.3859, 0.3670



31.9979, 0.2690, 0.3500



31.9979, 0.2842, 0.2703

Complementary

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



31.9979, 0.3859, 0.3670



32.1954, 0.2564, 0.2872

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.



31.9979, 0.2569, 0.2704



31.9979, 0.3859, 0.3670



31.9979, 0.2486, 0.3141

Square

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



31.9979, 0.3859, 0.3670



31.9979, 0.3016, 0.3811



31.9979, 0.2444, 0.2854



31.9979, 0.3206, 0.2839

Rectangle

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



31.9979, 0.3859, 0.3670



31.9979, 0.3501, 0.3954



31.9979, 0.2444, 0.2854



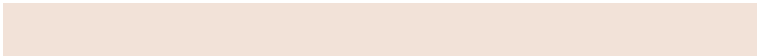
31.9979, 0.2737, 0.2687

Sweetspot

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



31.9994, 0.3859, 0.3670



78.3509, 0.3311, 0.3400



25.9337, 0.3463, 0.2716



16.9846, 0.3335, 0.3414



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



31.9994, 0.3859, 0.3670



52.5224, 0.4078, 0.3755



43.6159, 0.3703, 0.4093



9.5816, 0.3278, 0.3381



10.4423, 0.5683, 0.3870



0.4901, 0.5210, 0.4245

Inverse Universe

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



32.1954, 0.2564, 0.2872



52.9076, 0.2442, 0.2761



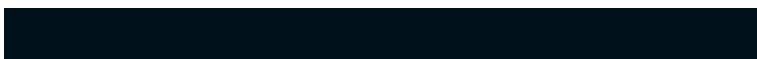
22.3035, 0.2488, 0.2333



9.5959, 0.2985, 0.3197



10.3533, 0.1876, 0.1952



0.4823, 0.1982, 0.2336

Previews

White Background



This preview shows how the Yxy color 31.9979, 0.3859, 0.3670 looks on a white background.

Color Contrast Check

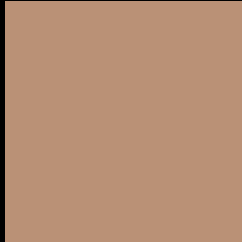
Large Text (above 18pt) WCAG AA × Fail

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 31.9979, 0.3859, 0.3670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

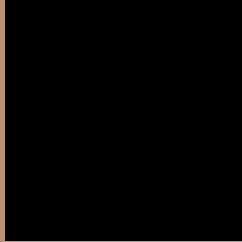
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9979, 0.3859, 0.3670

Background



This preview shows how black text looks on a background with the Yxy color 31.9979, 0.3859, 0.3670.



This preview shows how white text looks on a background with the Yxy color 31.9979, 0.3859, 0.3670.

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

31.9979, 0.3859, 0.3670

Protanopia

31.9741, 0.3531, 0.3762

Deuteranopia

31.8787, 0.3783, 0.3708



Tritanopia

31.8093, 0.3549, 0.3141

Trichromacy



Original Color

31.9979, 0.3859, 0.3670

Protanomaly

31.8511, 0.3639, 0.3721

Deuteranomaly

31.8109, 0.3810, 0.3690

Tritanomaly

31.9014, 0.3664, 0.3333

Monochromacy



Original Color

31.9979, 0.3859, 0.3670

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.1633, 0.3380, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9979, 0.3859, 0.3670 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(186, 145, 118)` looks like.

```
.text, #text, p{  
    color:rgb(186, 145, 118)  
}
```

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(186, 145, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 145, 118) }
```

Border

The CSS property to change the border of an element to Yxy 31.9979, 0.3859, 0.3670 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(186, 145, 118) }
```

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

```
.border{ border-color:rgb(186, 145, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 145, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 145, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 145, 118);  
box-shadow:4px 4px 4px 4px rgb(186, 145,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9979, 0.3859, 0.3670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 145, 118) }
```

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

```
.background{ background-color: rgb(186,  
145, 118) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor