

Converting Colors

$Yxy(31.8224, 0.3709, 0.4000)$

Have a look what the booklet for
Yxy(31.8224, 0.3709, 0.4000)
contains.

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Color

Yxy(31.8224, 0.3709, 0.4000)

Conversions

Conversions Part 1

Format	Color
Hex	A5996A
RGB	165, 153, 106
RGB Percent	65%, 60%, 42%
CMY	0.3530, 0.4000, 0.5843
CMYK	0.00, 0.07, 0.36, 0.35
HSL	48°, 25%, 53%
HSV	48°, 36%, 65%
XYZ	29.5073, 31.8224, 18.2263
YIQ	151.2300, 22.2390, -12.0730

Conversions

Conversions Part 2

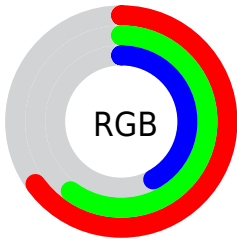
Format	Color
RYB	121, 165, 106
Decimal	10852714
CIELab	63.20, -2.80, 26.32
CIELCh	63, 26.469, 96.078
Yxy	31.8224, 0.3709, 0.4000
Android (android.graphics.Color)	4289042794 (0xFFA5996A)
YUV	151.2300, -22.2984, 12.0763
Hunter-Lab	56.4113, -5.3511, 20.3316

Details

The Yxy color **31.8224, 0.3709, 0.4000** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.7343, 0.2523, 0.2461**, and the grayscale version is **31.1415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4664, 0.3597, 0.3854**, and **13.2530, 0.3888, 0.4225** is the 20% darker color. If you saturate the color by 10%, you get **30.4318, 0.3884, 0.4193**, and if you desaturate by 10%, it is **33.3128, 0.3536, 0.3799**.

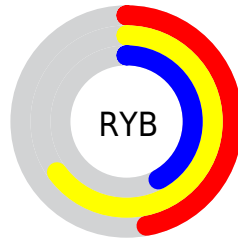
Distribution



Red (65%)

Green (60%)

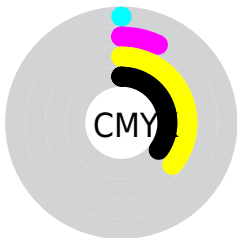
Blue (42%)



Red (47%)

Yellow (65%)

Blue (42%)

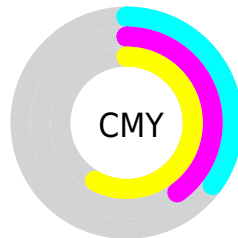


Cyan (0%)

Magenta (7%)

Yellow (36%)

Black (35%)



Cyan (35%)


Magenta (40%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8224, 0.3709, 0.4000 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 31.8224, 0.3709, 0.4000 by changing the saturation by 10% instead.


 31.8224, 0.3709,
0.4000


 31.8224, 0.3709,
0.4000


310.3094, 0.3405,
0.3624


 21.2259, 0.3788,
0.4099


 62.5326, 0.3596,
0.3859


 13.2892, 0.3889,
0.4229


 83.4150, 0.3554,
0.3807

 7.6280, 0.4022,
0.4404


 108.4949, 0.3519,
0.3764

 3.8579, 0.4201,
0.4647

 138.1566, 0.3490,
0.3727

 1.5944, 0.4704,
0.5296

172.7845, 0.3464,
0.3696

 0.3538, 0.4309,
0.5691

212.7630, 0.3442,

 0.0000, 0.0000,

0.3669

0.0000

258.4765, 0.3422,
0.3645

■ 31.8224, 0.3709,
0.4000

■ 31.8224, 0.3709,
0.4000

■ 30.4318, 0.3884,
0.4193

■ 33.3128, 0.3536,
0.3799

■ 29.1324, 0.4056,
0.4369

■ 34.9023, 0.3369,
0.3597

■ 27.9214, 0.4216,
0.4518


■ 36.5958, 0.3212,
0.3399

■ 26.7938, 0.4358,
0.4630


■ 38.3967, 0.3067,
0.3211

■ 25.7439, 0.4476,
0.4700

■ 40.3080, 0.2933,
0.3034


 24.7643, 0.4565,
0.4725

 42.3327, 0.2812,
0.2869

 24.3613, 0.4600,
0.4729

 44.4737, 0.2702,
0.2716

 46.7336, 0.2604,
0.2577

 49.1151, 0.2515,
0.2449

Harmonies

Analogous

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



31.8224, 0.3937, 0.3774



31.8224, 0.3709, 0.4000



31.8224, 0.3332, 0.4034

Triad

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



31.8224, 0.3709, 0.4000



31.8224, 0.2380, 0.3041



31.8224, 0.3303, 0.2830

Complementary

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



31.8224, 0.3709, 0.4000



18.7343, 0.2523, 0.2461

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.



31.8224, 0.2881, 0.2651



31.8224, 0.3709, 0.4000



31.8224, 0.2373, 0.2747

Square

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



31.8224, 0.3709, 0.4000



31.8224, 0.2572, 0.3443



31.8224, 0.2549, 0.2617



31.8224, 0.3699, 0.3114

Rectangle

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



31.8224, 0.3709, 0.4000



31.8224, 0.3052, 0.3920



31.8224, 0.2549, 0.2617



31.8224, 0.3159, 0.2756

Sweetspot

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



31.8239, 0.3709, 0.4000



63.8776, 0.3297, 0.3506



19.6351, 0.3775, 0.3091



13.8812, 0.3317, 0.3531



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.



31.8239, 0.3709, 0.4000



54.9891, 0.3850, 0.4156



34.2656, 0.3481, 0.4212



7.9919, 0.3266, 0.3468



18.5061, 0.4595, 0.4733



0.4474, 0.4426, 0.4868

Inverse Universe

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



18.7343, 0.2523, 0.2461



27.9983, 0.2370, 0.2235



17.2174, 0.2671, 0.2291



7.0821, 0.2987, 0.3106



2.9590, 0.1563, 0.0828



0.1218, 0.1731, 0.1432

Previews

White Background



This preview shows how the Yxy color 31.8224, 0.3709, 0.4000 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 31.8224, 0.3709, 0.4000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

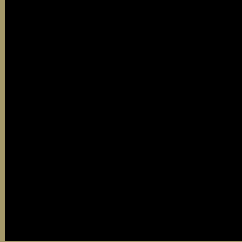
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8224, 0.3709, 0.4000

Background



This preview shows how black text looks on a background with the Yxy color 31.8224, 0.3709, 0.4000.



This preview shows how white text looks on a background with the Yxy color 31.8224, 0.3709, 0.4000.

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

31.8224, 0.3709, 0.4000

Protanopia

31.8224, 0.3709, 0.4000

Deuteranopia

31.5644, 0.3925, 0.3845



Tritanopia

31.6843, 0.3271, 0.3117

Trichromacy



Original Color

31.8224, 0.3709, 0.4000

Protanomaly

31.8224, 0.3709, 0.4000

Deuteranomaly

31.7865, 0.3842, 0.3901

Tritanomaly

31.7940, 0.3436, 0.3439

Monochromacy



Original Color

31.8224, 0.3709, 0.4000

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.2737, 0.3331, 0.3554

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8224, 0.3709, 0.4000 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(165, 153, 106)` looks like.

```
.text, #text, p{  
    color:rgb(165, 153, 106)  
}
```

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(165, 153, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 153, 106) }
```

Border

The CSS property to change the border of an element to Yxy 31.8224, 0.3709, 0.4000 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(165, 153, 106) }
```

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

```
.border{ border-color:rgb(165, 153, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 153, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 153, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 153, 106);  
box-shadow:4px 4px 4px 4px rgb(165, 153,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8224, 0.3709, 0.4000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 153, 106) }
```

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

```
.background{ background-color: rgb(165,  
153, 106) }
```

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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