

Converting Colors

$Y_{xy}(31.5173, 0.3705, 0.3971)$

Have a look what the booklet for
Yxy(31.5173, 0.3705, 0.3971)
contains.

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Color

Yxy(31.5173, 0.3705, 0.3971)

Conversions

Conversions Part 1

Format	Color
Hex	A5986B
RGB	165, 152, 107
RGB Percent	65%, 60%, 42%
CMY	0.3528, 0.4040, 0.5804
CMYK	0.00, 0.08, 0.35, 0.35
HSL	47°, 24%, 53%
HSV	47°, 35%, 65%
XYZ	29.4061, 31.5173, 18.4453
YIQ	150.7570, 22.1930, -11.2390

Conversions

Conversions Part 2

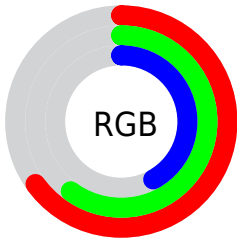
Format	Color
RYB	124, 165, 107
Decimal	10852459
CIELab	62.94, -2.10, 25.44
CIELCh	63, 25.529, 94.709
Yxy	31.5173, 0.3705, 0.3971
Android (android.graphics.Color)	4289042539 (0xFFA5986B)
YUV	150.7570, -21.5722, 12.4911
Hunter-Lab	56.1403, -4.7477, 19.8180

Details

The Yxy color **31.5173, 0.3705, 0.3971** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.2924, 0.2537, 0.2499**, and the grayscale version is **30.9279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0180, 0.3592, 0.3831**, and **13.0679, 0.3885, 0.4187** is the 20% darker color. If you saturate the color by 10%, you get **30.0176, 0.3885, 0.4161**, and if you desaturate by 10%, it is **33.1239, 0.3529, 0.3774**.

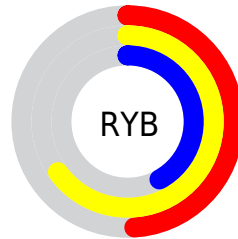
Distribution



Red (65%)

Green (60%)

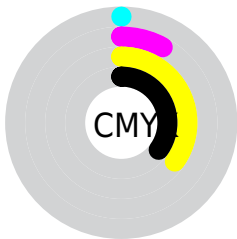
Blue (42%)



Red (49%)

Yellow (65%)

Blue (42%)

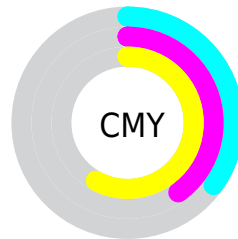


Cyan (0%)

Magenta (8%)

Yellow (35%)

Black (35%)



Cyan (35%)


Magenta (40%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5173, 0.3705, 0.3971 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 31.5173, 0.3705, 0.3971 by changing the saturation by 10% instead.


 31.5173, 0.3705,
0.3971

 31.5173, 0.3705,
0.3971


308.9145, 0.3402,
0.3610


 20.9931, 0.3784,
0.4066


 62.0536, 0.3592,
0.3836


 13.1189, 0.3886,
0.4191


 82.8345, 0.3550,
0.3786

 7.5105, 0.4022,
0.4360


 107.8030, 0.3516,
0.3744

 3.7834, 0.4206,
0.4595

 137.3436, 0.3486,
0.3709

 1.5531, 0.4746,
0.5254

171.8406, 0.3460,
0.3679

 0.3257, 0.4424,
0.5576

211.6785, 0.3438,

 0.0000, 0.0000,

0.3653

0.0000

257.2417, 0.3419,
0.3630

■ 31.5173, 0.3705,
0.3971

■ 31.5173, 0.3705,
0.3971

■ 30.0176, 0.3885,
0.4161

■ 33.1239, 0.3529,
0.3774

■ 28.6164, 0.4062,
0.4334

■ 34.8369, 0.3361,
0.3577

■ 27.3106, 0.4230,
0.4482

■ 36.6613, 0.3204,
0.3386

■ 26.0952, 0.4382,
0.4594

■ 38.6006, 0.3059,
0.3203

■ 24.9644, 0.4509,
0.4662

■ 40.6578, 0.2926,
0.3031

■ 23.9111, 0.4608,
0.4686

■ 42.8360, 0.2806,
0.2872

■ 23.4214, 0.4651,
0.4689

■ 45.1381, 0.2698,
0.2724

■ 47.5669, 0.2601,
0.2589

■ 50.0899, 0.2517,
0.2471

Harmonies

Analogous

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



31.5173, 0.3916, 0.3748



31.5173, 0.3705, 0.3971



31.5173, 0.3345, 0.4012

Triad

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



31.5173, 0.3705, 0.3971



31.5173, 0.2408, 0.3066



31.5173, 0.3279, 0.2833

Complementary

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



31.5173, 0.3705, 0.3971



19.2924, 0.2537, 0.2499

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.



31.5173, 0.2872, 0.2665



31.5173, 0.3705, 0.3971



31.5173, 0.2392, 0.2775

Square

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



31.5173, 0.3705, 0.3971



31.5173, 0.2602, 0.3457



31.5173, 0.2555, 0.2639



31.5173, 0.3665, 0.3106

Rectangle

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



31.5173, 0.3705, 0.3971



31.5173, 0.3074, 0.3909



31.5173, 0.2555, 0.2639



31.5173, 0.3139, 0.2764

Sweetspot

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



31.5187, 0.3705, 0.3971



63.6239, 0.3297, 0.3500



19.8905, 0.3747, 0.3079



13.8197, 0.3317, 0.3525



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.



31.5187, 0.3705, 0.3971



54.3551, 0.3842, 0.4116



34.4307, 0.3486, 0.4194



7.9658, 0.3267, 0.3463



17.7852, 0.4646, 0.4693



0.4368, 0.4454, 0.4846

Inverse Universe

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



19.2924, 0.2537, 0.2499



29.2577, 0.2395, 0.2293



17.4083, 0.2670, 0.2307



7.1064, 0.2987, 0.3111



3.1260, 0.1574, 0.0868



0.1303, 0.1752, 0.1507

Previews

White Background



This preview shows how the Yxy color 31.5173, 0.3705, 0.3971 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 31.5173, 0.3705, 0.3971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

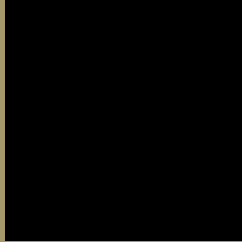
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5173, 0.3705, 0.3971

Background



This preview shows how black text looks on a background with the Yxy color 31.5173, 0.3705, 0.3971.



This preview shows how white text looks on a background with the Yxy color 31.5173, 0.3705, 0.3971.

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

31.5173, 0.3705, 0.3971

Protanopia

31.4105, 0.3693, 0.3974

Deuteranopia

31.4642, 0.3904, 0.3833



Tritanopia

31.6500, 0.3281, 0.3132

Trichromacy



Original Color

31.5173, 0.3705, 0.3971

Protanomaly

31.4105, 0.3693, 0.3974

Deuteranomaly

31.3765, 0.3826, 0.3875

Tritanomaly

31.4789, 0.3439, 0.3424

Monochromacy



Original Color

31.5173, 0.3705, 0.3971

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.9504, 0.3333, 0.3539

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5173, 0.3705, 0.3971 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, 152, 107)` looks like.

```
.text, #text, p{  
    color:rgb(165, 152, 107)  
}
```

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, 152, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 152, 107) }
```

Border

The CSS property to change the border of an element to Yxy 31.5173, 0.3705, 0.3971 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, 152, 107) }
```

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

```
.border{ border-color:rgb(165, 152, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 152, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 152, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 152, 107);  
box-shadow:4px 4px 4px 4px rgb(165, 152,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5173, 0.3705, 0.3971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 152, 107) }
```

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

```
.background{ background-color: rgb(165,  
152, 107) }
```

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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