

Converting Colors

$Y_{xy}(31.2575, 0.3615, 0.3971)$

Have a look what the booklet for
Yxy(31.2575, 0.3615, 0.3971)
contains.

Yxy(31.2575, 0.3615, 0.3971)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.2575, 0.3615, 0.3971)

Conversions

Conversions Part 1

Format	Color
Hex	9F996D
RGB	159, 153, 109
RGB Percent	62%, 60%, 43%
CMY	0.3763, 0.4000, 0.5725
CMYK	0.00, 0.04, 0.31, 0.38
HSL	53°, 21%, 53%
HSV	53°, 31%, 62%
XYZ	28.4553, 31.2575, 19.0017
YIQ	149.7780, 17.7000, -12.4120

Conversions

Conversions Part 2

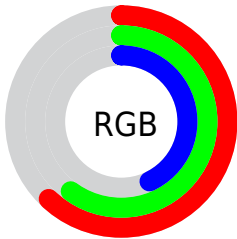
Format	Color
RYB	116, 159, 109
Decimal	10459501
CIELab	62.72, -4.84, 23.97
CIELCh	63, 24.451, 101.425
Yxy	31.2575, 0.3615, 0.3971
Android (android.graphics.Color)	4288649581 (0xFF9F996D)
YUV	149.7780, -20.1036, 8.0877
Hunter-Lab	55.9084, -6.9900, 18.9849

Details

The Yxy color **31.2575, 0.3615, 0.3971** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.0283, 0.2596, 0.2502**, and the grayscale version is **30.4840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4950, 0.3517, 0.3829**, and **12.9655, 0.3769, 0.4192** is the 20% darker color. If you saturate the color by 10%, you get **30.3228, 0.3776, 0.4184**, and if you desaturate by 10%, it is **32.2672, 0.3454, 0.3752**.

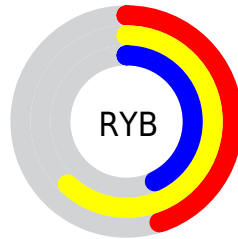
Distribution



Red (62%)

Green (60%)

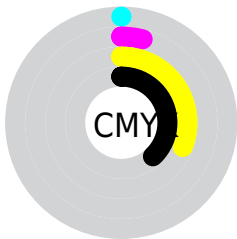
Blue (43%)



Red (45%)

Yellow (62%)

Blue (43%)

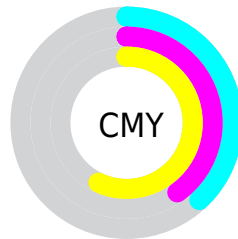


Cyan (0%)

Magenta (4%)

Yellow (31%)

Black (38%)



Cyan (38%)


Magenta (40%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2575, 0.3615, 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 31.2575, 0.3615, 0.3971 by changing the saturation by 10% instead.


 31.2575, 0.3615,
0.3971


 31.2575, 0.3615,
0.3971


 307.7229, 0.3360,
0.3606

 20.7950, 0.3681,
0.4069


 61.6453, 0.3520,
0.3833

 12.9742, 0.3767,
0.4200

 82.3393, 0.3485,
0.3783

 7.4108, 0.3881,
0.4379


 107.2127, 0.3456,
0.3741

 3.7203, 0.4034,
0.4636

 136.6497, 0.3431,
0.3706

 1.5184, 0.4575,
0.5425

 171.0349, 0.3409,
0.3675

 0.3016, 0.3583,
0.6417

 210.7525, 0.3391,

 0.0000, 0.0000,

0.3649

0.0000

256.1871, 0.3374,
0.3626

■ 31.2575, 0.3615,
0.3971

■ 31.2575, 0.3615,
0.3971

■ 30.3228, 0.3776,
0.4184

■ 32.2672, 0.3454,
0.3752

■ 29.4554, 0.3930,
0.4381

■ 33.3507, 0.3297,
0.3533

■ 28.6530, 0.4073,
0.4554


■ 34.5123, 0.3148,
0.3320

■ 27.9115, 0.4197,
0.4694


■ 35.7550, 0.3008,
0.3118


■ 27.2262, 0.4298,
0.4793

■ 37.0811, 0.2879,
0.2928


 26.5916, 0.4372,
0.4849

 38.4933, 0.2761,
0.2751

 26.0787, 0.4420,
0.4872

 39.9940, 0.2653,
0.2589

 41.5852, 0.2556,
0.2440

 43.2694, 0.2468,
0.2305

Harmonies

Analogous

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



31.2575, 0.3856, 0.3790



31.2575, 0.3615, 0.3971



31.2575, 0.3251, 0.3960

Triad

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



31.2575, 0.3615, 0.3971



31.2575, 0.2415, 0.3002



31.2575, 0.3363, 0.2902

Complementary

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



31.2575, 0.3615, 0.3971



18.0283, 0.2596, 0.2502

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.



31.2575, 0.2966, 0.2713



31.2575, 0.3615, 0.3971



31.2575, 0.2440, 0.2752

Square

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



31.2575, 0.3615, 0.3971



31.2575, 0.2567, 0.3364



31.2575, 0.2634, 0.2656



31.2575, 0.3711, 0.3182

Rectangle

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



31.2575, 0.3615, 0.3971



31.2575, 0.2991, 0.3828



31.2575, 0.2634, 0.2656



31.2575, 0.3230, 0.2827

Sweetspot

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



31.2589, 0.3615, 0.3971



60.1601, 0.3263, 0.3483



19.5659, 0.3727, 0.3183



13.4997, 0.3284, 0.3513



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



31.2589, 0.3615, 0.3971



54.7231, 0.3732, 0.4127



31.5494, 0.3397, 0.4106



7.5835, 0.3264, 0.3485



20.6273, 0.4418, 0.4874



0.4036, 0.4317, 0.4954

Inverse Universe

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



18.0283, 0.2596, 0.2502



27.1237, 0.2455, 0.2285



17.9811, 0.2785, 0.2439



6.5580, 0.2988, 0.3087



2.3860, 0.1531, 0.0709



0.0755, 0.1653, 0.1151

Previews

White Background



This preview shows how the Yxy color 31.2575, 0.3615, 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 31.2575, 0.3615, 0.3971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

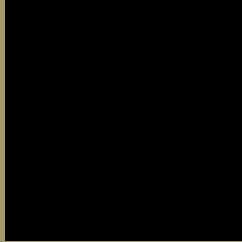
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2575, 0.3615, 0.3971

Background



This preview shows how black text looks on a background with the Yxy color 31.2575, 0.3615, 0.3971.



This preview shows how white text looks on a background with the Yxy color 31.2575, 0.3615, 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

31.2575, 0.3615, 0.3971

Protanopia

31.3257, 0.3673, 0.3962

Deuteranopia

31.1018, 0.3867, 0.3780



Tritanopia

31.3354, 0.3207, 0.3129

Trichromacy



Original Color

31.2575, 0.3615, 0.3971

Protanomaly

31.2206, 0.3662, 0.3965

Deuteranomaly

31.0763, 0.3772, 0.3854

Tritanomaly

31.1749, 0.3362, 0.3427

Monochromacy



Original Color

31.2575, 0.3615, 0.3971

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.6548, 0.3301, 0.3541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2575, 0.3615, 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(159, 153, 109)` looks like.

```
.text, #text, p{  
  color:rgb(159, 153, 109)  
}
```

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(159, 153, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 153, 109) }
```

Border

The CSS property to change the border of an element to Yxy 31.2575, 0.3615, 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(159, 153, 109) }
```

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

```
.border{ border-color:rgb(159, 153, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 153, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 153, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 153, 109);  
box-shadow:4px 4px 4px 4px rgb(159, 153,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2575, 0.3615, 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(159, 153, 109) }
```

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

```
.background{ background-color: rgb(159,  
153, 109) }
```

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