

Converting Colors

$Yxy(32.0444, 0.3675, 0.4237)$

Have a look what the booklet for
Yxy(32.0444, 0.3675, 0.4237)
contains.

Yxy(31.9270, 0.3673, 0.4235)	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(31.9270, 0.3673, 0.4235)

Conversions

Conversions Part 1

Format	Color
Hex	9B9D60
RGB	155, 157, 96
RGB Percent	61%, 62%, 38%
CMY	0.3920, 0.3843, 0.6235
CMYK	0.01, 0.00, 0.39, 0.38
HSL	62°, 24%, 50%
HSV	62°, 39%, 62%
XYZ	27.6902, 31.9270, 15.7713
YIQ	149.4480, 18.3890, -19.3950

Conversions

Conversions Part 2

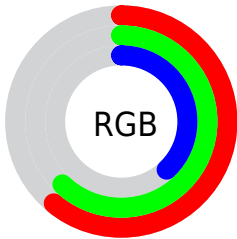
Format	Color
RYB	96, 157, 98
Decimal	10198368
CIELab	63.28, -10.27, 31.66
CIELCh	63, 33.285, 107.979
Yxy	31.9270, 0.3673, 0.4235
Android (android.graphics.Color)	4288388448 (0xFF9B9D60)
YUV	149.4480, -26.3499, 4.8691
Hunter-Lab	56.5040, -11.4068, 23.0039

Details

The Yxy color **31.9270, 0.3673, 0.4235** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.3970, 0.2453, 0.2148**, and the grayscale version is **30.3636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3968, 0.3574, 0.4044**, and **13.4050, 0.3827, 0.4548** is the 20% darker color. If you saturate the color by 10%, you get **31.6175, 0.3800, 0.4460**, and if you desaturate by 10%, it is **32.2973, 0.3535, 0.3995**.

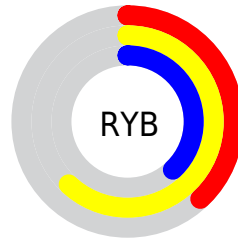
Distribution



Red (61%)

Green (62%)

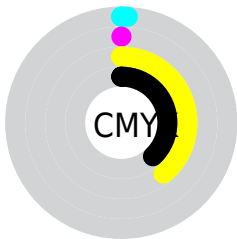
Blue (38%)



Red (38%)

Yellow (62%)

Blue (38%)

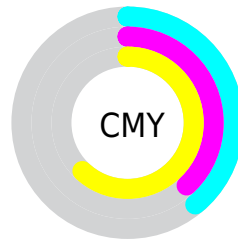


Cyan (1%)

Magenta (0%)

Yellow (39%)

Black (38%)



Cyan (39%)

Magenta (38%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.9270, 0.3673, 0.4235 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 31.9270, 0.3673, 0.4235 by changing the saturation by 10% instead.

■ 31.9270, 0.3673,
0.4235

■ 31.9270, 0.3673,
0.4235

310.7866, 0.3396,
0.3728

■ 21.3057, 0.3740,
0.4371

■ 62.6966, 0.3573,
0.4043

■ 13.3477, 0.3823,
0.4549

■ 83.6138, 0.3535,
0.3974

■ 7.6684, 0.3923,
0.4789

■ 108.7317, 0.3503,
0.3915

■ 3.8835, 0.4060,
0.5153

■ 138.4348, 0.3475,
0.3866

■ 1.6086, 0.4242,
0.5758

173.1074, 0.3451,
0.3824

■ 0.3634, 0.2065,
0.7935

213.1340, 0.3430,

■ 0.0000, 0.0000,

0.3788

0.0000

258.8989, 0.3412,
0.3756

■ 31.9270, 0.3673,
0.4235

■ 31.9270, 0.3673,
0.4235

■ 31.6175, 0.3800,
0.4460

■ 32.2973, 0.3535,
0.3995

■ 31.3611, 0.3912,
0.4660

■ 32.7274, 0.3393,
0.3747

■ 31.1553, 0.4004,
0.4827


■ 33.2215, 0.3250,
0.3502


■ 30.9960, 0.4071,
0.4954

■ 33.7824, 0.3111,
0.3263

■ 30.8779, 0.4114,
0.5040

■ 34.4128, 0.2979,
0.3036

 30.7908, 0.4136,
0.5091

 35.1150, 0.2854,
0.2824

 30.7812, 0.4138,
0.5096

 35.8914, 0.2738,
0.2628

 36.7442, 0.2632,
0.2448

 37.6756, 0.2535,
0.2285

Harmonies

Analogous

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



31.9270, 0.4053, 0.4015



31.9270, 0.3673, 0.4235



31.9270, 0.3165, 0.4172

Triad

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



31.9270, 0.3673, 0.4235



31.9270, 0.2175, 0.2802



31.9270, 0.3556, 0.2848

Complementary

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



31.9270, 0.3673, 0.4235



13.3970, 0.2453, 0.2148

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.



31.9270, 0.3017, 0.2574



31.9270, 0.3673, 0.4235



31.9270, 0.2257, 0.2525

Square

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



31.9270, 0.3673, 0.4235



31.9270, 0.2318, 0.3264



31.9270, 0.2550, 0.2455



31.9270, 0.3998, 0.3225

Rectangle

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



31.9270, 0.3673, 0.4235



31.9270, 0.2825, 0.3949



31.9270, 0.2550, 0.2455



31.9270, 0.3378, 0.2742

Sweetspot

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



31.9284, 0.3673, 0.4235



59.1876, 0.3298, 0.3584



16.5665, 0.4054, 0.3310



13.0006, 0.3315, 0.3613



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



31.9284, 0.3673, 0.4235



56.6757, 0.3789, 0.4440



29.3537, 0.3358, 0.4343



7.7095, 0.3256, 0.3511



25.0048, 0.4138, 0.5096



0.4501, 0.4162, 0.5077

Inverse Universe

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



13.3970, 0.2453, 0.2148



18.5034, 0.2266, 0.1835



15.3536, 0.2796, 0.2248



6.4450, 0.2992, 0.3059



2.0068, 0.1514, 0.0607



0.0385, 0.1579, 0.0644

Previews

White Background



This preview shows how the Yxy color 31.9270, 0.3673, 0.4235 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 31.9270, 0.3673, 0.4235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

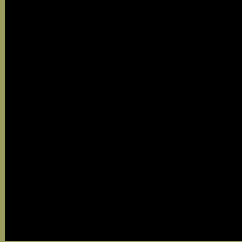
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9270, 0.3673, 0.4235

Background



This preview shows how black text looks on a background with the Yxy color 31.9270, 0.3673, 0.4235.



This preview shows how white text looks on a background with the Yxy color 31.9270, 0.3673, 0.4235.

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

31.9270, 0.3673, 0.4235

Protanopia

31.8242, 0.3835, 0.4153

Deuteranopia

31.6300, 0.4039, 0.3962



Tritanopia

31.8546, 0.3156, 0.3114

Trichromacy



Original Color

31.9270, 0.3673, 0.4235

Protanomaly

31.7240, 0.3785, 0.4181

Deuteranomaly

31.5600, 0.3901, 0.4064

Tritanomaly

31.7362, 0.3354, 0.3519

Monochromacy



Original Color

31.9270, 0.3673, 0.4235

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.6475, 0.3327, 0.3639

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9270, 0.3673, 0.4235 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(155, 157, 96)` looks like.

```
.text, #text, p{  
    color:rgb(155, 157, 96)  
}
```

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(155, 157, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 157, 96) }
```

Border

The CSS property to change the border of an element to Yxy 31.9270, 0.3673, 0.4235 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(155, 157, 96) }
```

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

```
.border{ border-color:rgb(155, 157, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 157, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 157, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 157, 96);  
box-shadow:4px 4px 4px 4px rgb(155, 157,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9270, 0.3673, 0.4235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 157, 96) }
```

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

```
.background{ background-color: rgb(155,  
157, 96) }
```

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