

Converting Colors

$Yxy(31.5710, 0.3376, 0.3806)$

Have a look what the booklet for
Yxy(31.5710, 0.3376, 0.3806)
contains.

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Color

Yxy(31.6910, 0.3374, 0.3813)

Conversions

Conversions Part 1

Format	Color
Hex	969C7B
RGB	150, 156, 123
RGB Percent	59%, 61%, 48%
CMY	0.4117, 0.3882, 0.5176
CMYK	0.04, 0.00, 0.21, 0.39
HSL	71°, 14%, 55%
HSV	71°, 21%, 61%
XYZ	28.0423, 31.6910, 23.3797
YIQ	150.4440, 7.0170, -11.5350

Conversions

Conversions Part 2

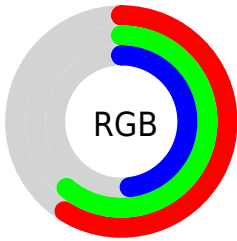
Format	Color
RYB	123, 156, 129
Decimal	9870459
CIELab	63.09, -8.03, 16.59
CIELCh	63, 18.434, 115.825
Yxy	31.6910, 0.3374, 0.3813
Android (android.graphics.Color)	4288060539 (0xFF969C7B)
YUV	150.4440, -13.5299, -0.3894
Hunter-Lab	56.2948, -9.5989, 14.7827

Details

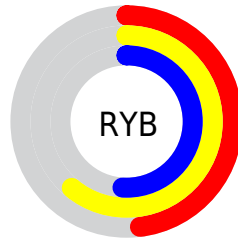
The Yxy color **31.6910, 0.3374, 0.3813** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **21.2353, 0.2847, 0.2731**, and the grayscale version is **30.7554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0651, 0.3321, 0.3695**, and **13.2502, 0.3452, 0.4001** is the 20% darker color. If you saturate the color by 10%, you get **31.0666, 0.3489, 0.4071**, and if you desaturate by 10%, it is **32.3870, 0.3256, 0.3560**.

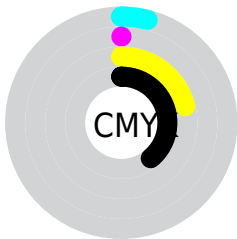
Distribution



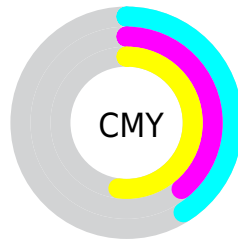
- Red (59%)
- Green (61%)
- Blue (48%)



- Red (48%)
- Yellow (61%)
- Blue (51%)



- Cyan (4%)
- Magenta (0%)
- Yellow (21%)
- Black (39%)





- Cyan (41%)
- Magenta (39%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6910, 0.3374, 0.3813 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 31.6910, 0.3374, 0.3813 by changing the saturation by 10% instead.


 31.6910, 0.3374,
0.3813


 31.6910, 0.3374,
0.3813

309.7092, 0.3246,
0.3530


 21.1256, 0.3407,
0.3891


 62.3264, 0.3326,
0.3705

 13.2158, 0.3451,
0.3997


 83.1651, 0.3309,
0.3666

 7.5773, 0.3509,
0.4146


 108.1971, 0.3294,
0.3634

 3.8257, 0.3589,
0.4372

137.8067, 0.3281,
0.3606

 1.5766, 0.3812,
0.4892

172.3783, 0.3271,
0.3583

 0.3417, 0.2737,
0.7263

212.2963, 0.3261,

 0.0000, 0.0000,

0.3563

0.0000

257.9452, 0.3253,
0.3546

■ 31.6910, 0.3374,
0.3813

■ 31.6910, 0.3374,
0.3813

■ 31.0666, 0.3489,
0.4071

■ 32.3870, 0.3256,
0.3560

■ 30.5065, 0.3598,
0.4326

■ 33.1532, 0.3140,
0.3317

■ 30.0090, 0.3696,
0.4570

■ 33.9935, 0.3028,
0.3089

■ 29.5706, 0.3777,
0.4791

■ 34.9106, 0.2922,
0.2877

■ 29.1873, 0.3837,
0.4980


■ 35.9067, 0.2822,
0.2682


 28.8546, 0.3873,
0.5129


 36.9840, 0.2729,
0.2504

 28.5674, 0.3884,
0.5235

 38.1449, 0.2644,
0.2344

 28.3400, 0.3880,
0.5302

 39.3913, 0.2565,
0.2198

 40.1717, 0.2542,
0.2140

Harmonies

Analogous

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



31.6910, 0.3606, 0.3750



31.6910, 0.3374, 0.3813



31.6910, 0.3083, 0.3721

Triad

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



31.6910, 0.3374, 0.3813



31.6910, 0.2576, 0.2974



31.6910, 0.3441, 0.3092

Complementary

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



31.6910, 0.3374, 0.3813



21.2353, 0.2847, 0.2731

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.



31.6910, 0.3151, 0.2907



31.6910, 0.3374, 0.3813



31.6910, 0.2660, 0.2832

Square

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



31.6910, 0.3374, 0.3813



31.6910, 0.2630, 0.3214



31.6910, 0.2866, 0.2812



31.6910, 0.3649, 0.3329

Rectangle

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



31.6910, 0.3374, 0.3813



31.6910, 0.2895, 0.3581



31.6910, 0.2866, 0.2812



31.6910, 0.3349, 0.3022

Sweetspot

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



31.6924, 0.3374, 0.3813



59.5062, 0.3198, 0.3436



24.0690, 0.3521, 0.3380



13.0760, 0.3205, 0.3450



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.



31.6924, 0.3374, 0.3813



57.0521, 0.3425, 0.3925



30.2765, 0.3209, 0.3841



7.6594, 0.3234, 0.3513



23.3565, 0.3882, 0.5300



0.4321, 0.4015, 0.5194

Inverse Universe

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



21.2353, 0.2847, 0.2731



34.8515, 0.2780, 0.2601



22.5881, 0.3025, 0.2759



6.4904, 0.3014, 0.3061



2.1961, 0.1597, 0.0653



0.0533, 0.1914, 0.0828

Previews

White Background



This preview shows how the Yxy color 31.6910, 0.3374, 0.3813 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 31.6910, 0.3374, 0.3813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

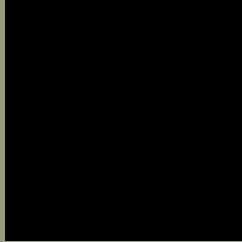
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

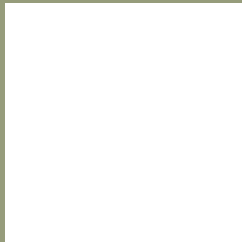
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.6910, 0.3374, 0.3813

Background



This preview shows how black text looks on a background with the Yxy color 31.6910, 0.3374, 0.3813.



This preview shows how white text looks on a background with the Yxy color 31.6910, 0.3374, 0.3813.

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

31.6910, 0.3374, 0.3813

Protanopia

31.5183, 0.3534, 0.3765

Deuteranopia

31.6952, 0.3676, 0.3611



Tritanopia

31.7461, 0.3056, 0.3110

Trichromacy



Original Color

31.6910, 0.3374, 0.3813

Protanomaly

31.4567, 0.3477, 0.3771

Deuteranomaly

31.4834, 0.3565, 0.3682

Tritanomaly

31.6929, 0.3174, 0.3367

Monochromacy



Original Color

31.6910, 0.3374, 0.3813

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.8340, 0.3220, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6910, 0.3374, 0.3813 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(150, 156, 123)` looks like.

```
.text, #text, p{  
    color:rgb(150, 156, 123)  
}
```

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(150, 156, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 156, 123) }
```

Border

The CSS property to change the border of an element to Yxy 31.6910, 0.3374, 0.3813 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(150, 156, 123) }
```

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

```
.border{ border-color:rgb(150, 156, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 156, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 156, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 156, 123);  
box-shadow:4px 4px 4px 4px rgb(150, 156,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6910, 0.3374, 0.3813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 156, 123) }
```

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

```
.background{ background-color: rgb(150,  
156, 123) }
```

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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