

Converting Colors

$Y_{xy}(31.7070, 0.3532, 0.3990)$

Have a look what the booklet for
Yxy(31.7070, 0.3532, 0.3990)
contains.

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Color

Yxy(31.7947, 0.3529, 0.3996)

Conversions

Conversions Part 1

Format	Color
Hex	9A9C6F
RGB	154, 156, 111
RGB Percent	60%, 61%, 44%
CMY	0.3962, 0.3882, 0.5647
CMYK	0.01, 0.00, 0.29, 0.39
HSL	63°, 19%, 52%
HSV	63°, 29%, 61%
XYZ	28.0790, 31.7947, 19.6927
YIQ	150.2720, 13.2530, -14.4190

Conversions

Conversions Part 2

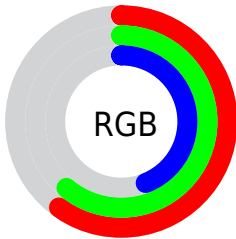
Format	Color
RYB	111, 156, 113
Decimal	10132591
CIELab	63.17, -8.26, 23.40
CIELCh	63, 24.815, 109.436
Yxy	31.7947, 0.3529, 0.3996
Android (android.graphics.Color)	4288322671 (0xFF9A9C6F)
YUV	150.2720, -19.3611, 3.2695
Hunter-Lab	56.3868, -9.7892, 18.7642

Details

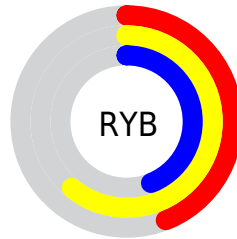
The Yxy color **31.7947, 0.3529, 0.3996** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.2807, 0.2658, 0.2483**, and the grayscale version is **30.6989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2928, 0.3454, 0.3846**, and **13.2868, 0.3642, 0.4234** is the 20% darker color. If you saturate the color by 10%, you get **31.4126, 0.3664, 0.4238**, and if you desaturate by 10%, it is **32.2401, 0.3389, 0.3748**.

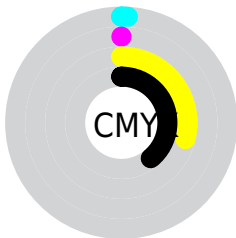
Distribution



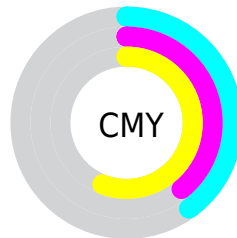
- Red (60%)
- Green (61%)
- Blue (44%)



- Red (44%)
- Yellow (61%)
- Blue (44%)



- Cyan (1%)
- Magenta (0%)
- Yellow (29%)
- Black (39%)



- Cyan (40%)
- Magenta (39%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.7947, 0.3529, 0.3996 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 31.7947, 0.3529, 0.3996 by changing the saturation by 10% instead.

31.7947, 0.3529,
0.3996

31.7947, 0.3529,
0.3996

310.1830, 0.3321,
0.3616

21.2047, 0.3582,
0.4100

62.4891, 0.3452,
0.3851

13.2737, 0.3650,
0.4238

83.3623, 0.3424,
0.3799

7.6173, 0.3738,
0.4431

108.4321, 0.3400,
0.3755

3.8511, 0.3854,
0.4713

138.0828, 0.3379,
0.3719

1.5906, 0.4367,
0.5633

172.6989, 0.3362,
0.3687

0.3513, 0.2736,
0.7264

212.6647, 0.3347,

0.0000, 0.0000,

0.3660

0.0000

258.3646, 0.3333,
0.3636

■ 31.7947, 0.3529,
0.3996

■ 31.7947, 0.3529,
0.3996

■ 31.4126, 0.3664,
0.4238

■ 32.2401, 0.3389,
0.3748

■ 31.0863, 0.3789,
0.4465

■ 32.7475, 0.3249,
0.3502

■ 30.8140, 0.3899,
0.4667


■ 33.3209, 0.3112,
0.3263


■ 30.5918, 0.3988,
0.4837


■ 33.9629, 0.2981,
0.3037


■ 30.4154, 0.4053,
0.4967


■ 34.6759, 0.2858,
0.2825

 30.2801, 0.4094,
0.5055


 35.4622, 0.2744,
0.2629

 30.1753, 0.4113,
0.5109

 36.3240, 0.2639,
0.2450

 30.1638, 0.4115,
0.5114

 37.2634, 0.2543,
0.2287

 38.2824, 0.2456,
0.2140

Harmonies

Analogous

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



31.7947, 0.3815, 0.3858



31.7947, 0.3529, 0.3996



31.7947, 0.3146, 0.3925

Triad

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



31.7947, 0.3529, 0.3996



31.7947, 0.2398, 0.2918



31.7947, 0.3469, 0.2967

Complementary

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



31.7947, 0.3529, 0.3996



17.2807, 0.2658, 0.2483

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.



31.7947, 0.3069, 0.2748



31.7947, 0.3529, 0.3996



31.7947, 0.2470, 0.2706

Square

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



31.7947, 0.3529, 0.3996



31.7947, 0.2505, 0.3261



31.7947, 0.2708, 0.2652



31.7947, 0.3787, 0.3265

Rectangle

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



31.7947, 0.3529, 0.3996



31.7947, 0.2889, 0.3756



31.7947, 0.2708, 0.2652



31.7947, 0.3338, 0.2883

Sweetspot

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



31.7961, 0.3529, 0.3996



59.4353, 0.3253, 0.3510



19.9138, 0.3736, 0.3317



13.0493, 0.3272, 0.3543



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.



31.7961, 0.3529, 0.3996



57.2514, 0.3622, 0.4162



29.8350, 0.3297, 0.4052



7.7050, 0.3254, 0.3512



24.8448, 0.4116, 0.5114



0.4484, 0.4149, 0.5088

Inverse Universe

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



17.2807, 0.2658, 0.2483



26.2468, 0.2526, 0.2258



18.9186, 0.2907, 0.2537



6.4489, 0.2994, 0.3059



2.0190, 0.1519, 0.0610



0.0398, 0.1611, 0.0661

Previews

White Background



This preview shows how the Yxy color 31.7947, 0.3529, 0.3996 looks on a white background.

Color Contrast Check

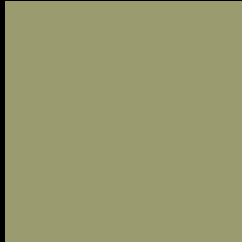
Large Text (above 18pt) WCAG AA × Fail

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 31.7947, 0.3529, 0.3996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

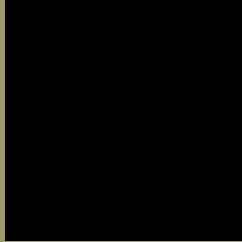
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

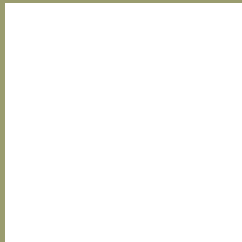
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.7947, 0.3529, 0.3996

Background



This preview shows how black text looks on a background with the Yxy color 31.7947, 0.3529, 0.3996.



This preview shows how white text looks on a background with the Yxy color 31.7947, 0.3529, 0.3996.

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

31.7947, 0.3529, 0.3996

Protanopia

31.9076, 0.3671, 0.3940

Deuteranopia

31.5738, 0.3852, 0.3763



Tritanopia

31.8595, 0.3125, 0.3127

Trichromacy



Original Color

31.7947, 0.3529, 0.3996

Protanomaly

31.8141, 0.3623, 0.3965

Deuteranomaly

31.6405, 0.3731, 0.3854

Tritanomaly

31.7087, 0.3274, 0.3428

Monochromacy



Original Color

31.7947, 0.3529, 0.3996

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.8134, 0.3269, 0.3542

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7947, 0.3529, 0.3996 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(154, 156, 111)` looks like.

```
.text, #text, p{  
    color:rgb(154, 156, 111)  
}
```

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(154, 156, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 156, 111) }
```

Border

The CSS property to change the border of an element to Yxy 31.7947, 0.3529, 0.3996 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(154, 156, 111) }
```

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

```
.border{ border-color:rgb(154, 156, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 156, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 156, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 156, 111);  
box-shadow:4px 4px 4px 4px rgb(154, 156,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7947, 0.3529, 0.3996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 156, 111) }
```

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

```
.background{ background-color: rgb(154,  
156, 111) }
```

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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