

Converting Colors

$Y_{xy}(31.9989, 0.3521, 0.3747)$

Have a look what the booklet for
Yxy(31.9989, 0.3521, 0.3747)
contains.

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Color

Yxy(31.9991, 0.3521, 0.3747)

Conversions

Conversions Part 1

Format	Color
Hex	A3997B
RGB	163, 153, 123
RGB Percent	64%, 60%, 48%
CMY	0.3608, 0.4000, 0.5176
CMYK	0.00, 0.06, 0.25, 0.36
HSL	45°, 18%, 56%
HSV	45°, 25%, 64%
XYZ	30.0691, 31.9991, 23.3311
YIQ	152.5700, 15.5900, -7.2100

Conversions

Conversions Part 2

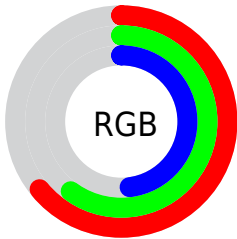
Format	Color
RYB	136, 163, 123
Decimal	10721659
CIELab	63.34, -1.30, 17.12
CIELCh	63, 17.166, 94.338
Yxy	31.9991, 0.3521, 0.3747
Android (android.graphics.Color)	4288911739 (0xFFA3997B)
YUV	152.5700, -14.5780, 9.1471
Hunter-Lab	56.5677, -4.1103, 15.1436

Details

The Yxy color **31.9991, 0.3521, 0.3747** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **23.6260, 0.2732, 0.2787**, and the grayscale version is **31.7183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6657, 0.3438, 0.3648**, and **13.3767, 0.3655, 0.3898** is the 20% darker color. If you saturate the color by 10%, you get **30.3164, 0.3700, 0.3939**, and if you desaturate by 10%, it is **33.7981, 0.3352, 0.3556**.

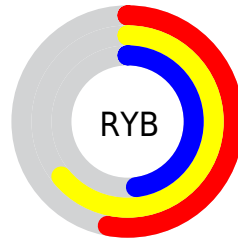
Distribution



Red (64%)

Green (60%)

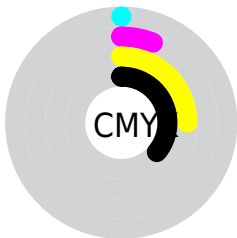
Blue (48%)



Red (53%)

Yellow (64%)

Blue (48%)

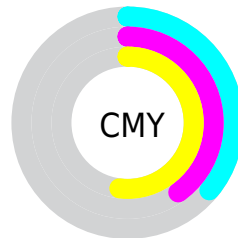


Cyan (0%)

Magenta (6%)

Yellow (25%)

Black (36%)



Cyan (36%)


Magenta (40%)


Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.9991, 0.3521, 0.3747 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 31.9991, 0.3521, 0.3747 by changing the saturation by 10% instead.


 31.9991, 0.3521,
0.3747


 31.9991, 0.3521,
0.3747


311.1152, 0.3313,
0.3504


 21.3608, 0.3576,
0.3812

 62.8097, 0.3443,
0.3655

 13.3880, 0.3650,
0.3899


 83.7508, 0.3414,
0.3622

 7.6963, 0.3750,
0.4019


 108.8949, 0.3390,
0.3594

 3.9012, 0.3896,
0.4195

138.6265, 0.3370,
0.3571

 1.6185, 0.4235,
0.4596

173.3299, 0.3353,
0.3550

 0.3700, 0.4637,
0.5363

213.3895, 0.3338,

 0.0000, 0.0000,

0.3533

0.0000

259.1898, 0.3324,
0.3518

■ 31.9991, 0.3521,
0.3747

■ 31.9991, 0.3521,
0.3747

■ 30.3164, 0.3700,
0.3939

■ 33.7981, 0.3352,
0.3556

■ 28.7418, 0.3884,
0.4124

■ 35.7126, 0.3194,
0.3371

■ 27.2726, 0.4068,
0.4294

■ 37.7475, 0.3050,
0.3195

■ 25.9045, 0.4245,
0.4440

■ 39.9059, 0.2919,
0.3030

■ 24.6324, 0.4407,
0.4551

■ 42.1908, 0.2800,
0.2876

■ 23.4508, 0.4545,
0.4619

■ 44.6053, 0.2694,
0.2735

■ 22.3528, 0.4656,
0.4641

■ 47.1520, 0.2598,
0.2605

■ 21.7790, 0.4710,
0.4642

■ 49.8337, 0.2513,
0.2487

■ 51.6702, 0.2511,
0.2520

Harmonies

Analogous

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



31.9991, 0.3655, 0.3606



31.9991, 0.3521, 0.3747



31.9991, 0.3283, 0.3765

Triad

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



31.9991, 0.3521, 0.3747



31.9991, 0.2637, 0.3151



31.9991, 0.3229, 0.2975

Complementary

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



31.9991, 0.3521, 0.3747



23.6260, 0.2732, 0.2787

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.



31.9991, 0.2955, 0.2860



31.9991, 0.3521, 0.3747



31.9991, 0.2624, 0.2949

Square

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



31.9991, 0.3521, 0.3747



31.9991, 0.2776, 0.3407



31.9991, 0.2737, 0.2847



31.9991, 0.3484, 0.3166

Rectangle

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



31.9991, 0.3521, 0.3747



31.9991, 0.3100, 0.3696



31.9991, 0.2737, 0.2847



31.9991, 0.3136, 0.2926

Sweetspot

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



32.0005, 0.3521, 0.3747



63.0569, 0.3234, 0.3418



23.6455, 0.3503, 0.3135



14.1192, 0.3242, 0.3429



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.



32.0005, 0.3521, 0.3747



55.7840, 0.3609, 0.3843



34.3923, 0.3387, 0.3908



7.9364, 0.3267, 0.3458



17.0032, 0.4704, 0.4647



0.4252, 0.4486, 0.4820

Inverse Universe

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



23.6260, 0.2732, 0.2787



38.3704, 0.2644, 0.2667



21.7971, 0.2823, 0.2633



7.1339, 0.2987, 0.3116



3.3341, 0.1588, 0.0916



0.1399, 0.1775, 0.1588

Previews

White Background



This preview shows how the Yxy color 31.9991, 0.3521, 0.3747 looks on a white background.

Color Contrast Check

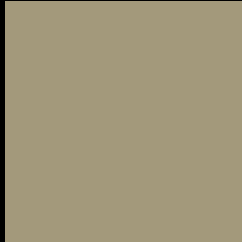
Large Text (above 18pt) WCAG AA × Fail

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 31.9991, 0.3521, 0.3747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

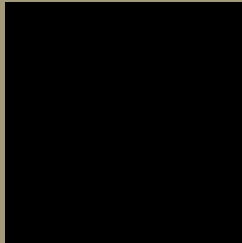
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9991, 0.3521, 0.3747

Background



This preview shows how black text looks on a background with the Yxy color 31.9991, 0.3521, 0.3747.



This preview shows how white text looks on a background with the Yxy color 31.9991, 0.3521, 0.3747.

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

31.9991, 0.3521, 0.3747

Protanopia

31.9991, 0.3521, 0.3747

Deuteranopia

31.7877, 0.3697, 0.3624



Tritanopia

32.0427, 0.3217, 0.3116

Trichromacy



Original Color

31.9991, 0.3521, 0.3747

Protanomaly

31.9991, 0.3521, 0.3747

Deuteranomaly

31.8344, 0.3634, 0.3659

Tritanomaly

32.0263, 0.3322, 0.3335

Monochromacy



Original Color

31.9991, 0.3521, 0.3747

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.9036, 0.3272, 0.3459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9991, 0.3521, 0.3747 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(163, 153, 123)` looks like.

```
.text, #text, p{  
    color:rgb(163, 153, 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(163, 153, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 153, 123) }
```

Border

The CSS property to change the border of an element to Yxy 31.9991, 0.3521, 0.3747 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(163, 153, 123) }
```

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

```
.border{ border-color:rgb(163, 153, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 153, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 153, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 153, 123);  
box-shadow:4px 4px 4px 4px rgb(163, 153,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9991, 0.3521, 0.3747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 153, 123) }
```

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

```
.background{ background-color: rgb(163,  
153, 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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