

Converting Colors

$Yxy(32.3991, 0.3621, 0.3943)$

Have a look what the booklet for
Yxy(32.3991, 0.3621, 0.3943)
contains.

Yxy(32.3991, 0.3621, 0.3943)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.3991, 0.3621, 0.3943)

Conversions

Conversions Part 1

Format	Color
Hex	A39B70
RGB	163, 155, 112
RGB Percent	64%, 61%, 44%
CMY	0.3607, 0.3922, 0.5608
CMYK	0.00, 0.05, 0.31, 0.36
HSL	51°, 22%, 54%
HSV	51°, 31%, 64%
XYZ	29.7533, 32.3991, 20.0163
YIQ	152.4900, 18.5710, -11.6770

Conversions

Conversions Part 2

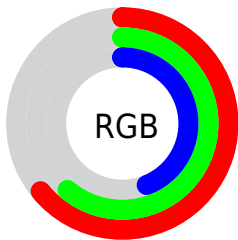
Format	Color
RYB	121, 163, 112
Decimal	10722160
CIELab	63.67, -3.91, 23.64
CIElCh	64, 23.966, 99.401
Yxy	32.3991, 0.3621, 0.3943
Android (android.graphics.Color)	4288912240 (0xFFA39B70)
YUV	152.4900, -19.9616, 9.2173
Hunter-Lab	56.9202, -6.3050, 18.9945

Details

The Yxy color **32.3991, 0.3621, 0.3943** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.5297, 0.2602, 0.2539**, and the grayscale version is **31.7062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3413, 0.3530, 0.3809**, and **13.5858, 0.3761, 0.4153** is the 20% darker color. If you saturate the color by 10%, you get **31.2256, 0.3788, 0.4150**, and if you desaturate by 10%, it is **33.6594, 0.3456, 0.3731**.

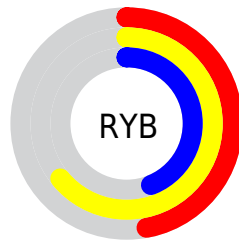
Distribution



Red (64%)

Green (61%)

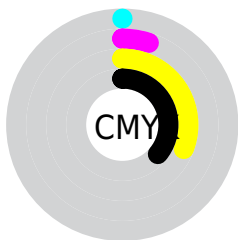
Blue (44%)



Red (47%)

Yellow (64%)

Blue (44%)

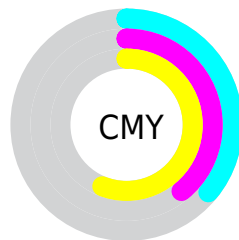


Cyan (0%)

Magenta (5%)

Yellow (31%)

Black (36%)



Cyan (36%)


Magenta (39%)


Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.3991, 0.3621, 0.3943 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 32.3991, 0.3621, 0.3943 by changing the saturation by 10% instead.


 32.3991, 0.3621,
0.3943


 32.3991, 0.3621,
0.3943


312.9333, 0.3363,
0.3596


 21.6665, 0.3688,
0.4036


 63.4362, 0.3525,
0.3812

 13.6121, 0.3774,
0.4158


 84.5096, 0.3490,
0.3765

 7.8514, 0.3889,
0.4325


 109.7986, 0.3460,
0.3725

 4.0000, 0.4046,
0.4563

 139.6878, 0.3435,
0.3691

 1.6736, 0.4640,
0.5360

174.5614, 0.3413,
0.3662

 0.4064, 0.4170,
0.5830

214.8040, 0.3394,

 0.0000, 0.0000,

0.3637

0.0000

260.7998, 0.3378,
0.3615

■ 32.3991, 0.3621,
0.3943

■ 32.3991, 0.3621,
0.3943

■ 31.2256, 0.3788,
0.4150

■ 33.6594, 0.3456,
0.3731

■ 30.1308, 0.3951,
0.4342

■ 35.0055, 0.3296,
0.3520

■ 29.1122, 0.4104,
0.4511


■ 36.4421, 0.3146,
0.3316

■ 28.1654, 0.4240,
0.4646


■ 37.9720, 0.3006,
0.3122


■ 27.2853, 0.4353,
0.4742

■ 39.5982, 0.2877,
0.2939

 26.4660, 0.4439,
0.4793

 41.3234, 0.2760,
0.2771

 25.7903, 0.4497,
0.4811

 43.1500, 0.2654,
0.2615

 45.0806, 0.2558,
0.2473

 46.8754, 0.2492,
0.2379

Harmonies

Analogous

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



32.3991, 0.3843, 0.3759



32.3991, 0.3621, 0.3943



32.3991, 0.3273, 0.3945

Triad

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



32.3991, 0.3621, 0.3943



32.3991, 0.2441, 0.3033



32.3991, 0.3330, 0.2898

Complementary

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



32.3991, 0.3621, 0.3943



19.5297, 0.2602, 0.2539

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.



32.3991, 0.2946, 0.2722



32.3991, 0.3621, 0.3943



32.3991, 0.2453, 0.2781

Square

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



32.3991, 0.3621, 0.3943



32.3991, 0.2599, 0.3388



32.3991, 0.2632, 0.2676



32.3991, 0.3674, 0.3166

Rectangle

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



32.3991, 0.3621, 0.3943



32.3991, 0.3021, 0.3827



32.3991, 0.2632, 0.2676



32.3991, 0.3201, 0.2827

Sweetspot

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



32.4006, 0.3621, 0.3943



63.2094, 0.3264, 0.3476



20.7468, 0.3701, 0.3157



14.1177, 0.3285, 0.3505



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.



32.4006, 0.3621, 0.3943



56.4389, 0.3745, 0.4097



33.4833, 0.3413, 0.4099



8.0467, 0.3265, 0.3478



20.0931, 0.4494, 0.4814



0.4700, 0.4370, 0.4912

Inverse Universe

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



19.5297, 0.2602, 0.2539



29.4855, 0.2460, 0.2326



18.9028, 0.2768, 0.2438



7.0315, 0.2987, 0.3095



2.6621, 0.1543, 0.0755



0.1041, 0.1686, 0.1268

Previews

White Background



This preview shows how the Yxy color 32.3991, 0.3621, 0.3943 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 32.3991, 0.3621, 0.3943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

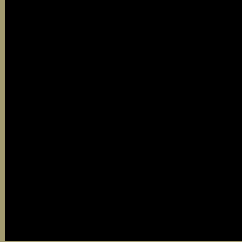
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

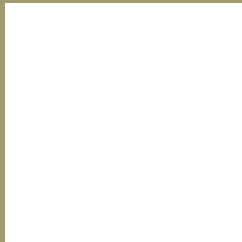
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.3991, 0.3621, 0.3943

Background



This preview shows how black text looks on a background with the Yxy color 32.3991, 0.3621, 0.3943.



This preview shows how white text looks on a background with the Yxy color 32.3991, 0.3621, 0.3943.

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

32.3991, 0.3621, 0.3943

Protanopia

32.3880, 0.3658, 0.3922

Deuteranopia

32.3398, 0.3842, 0.3774



Tritanopia

32.4680, 0.3227, 0.3131

Trichromacy



Original Color

32.3991, 0.3621, 0.3943

Protanomaly

32.2804, 0.3647, 0.3924

Deuteranomaly

32.4394, 0.3760, 0.3845

Tritanomaly

32.3319, 0.3370, 0.3409

Monochromacy



Original Color

32.3991, 0.3621, 0.3943

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.6565, 0.3310, 0.3537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3991, 0.3621, 0.3943 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, 155, 112)` looks like.

```
.text, #text, p{  
    color:rgb(163, 155, 112)  
}
```

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, 155, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 155, 112) }
```

Border

The CSS property to change the border of an element to Yxy 32.3991, 0.3621, 0.3943 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, 155, 112) }
```

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

```
.border{ border-color:rgb(163, 155, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 155, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 155, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 155, 112);  
box-shadow:4px 4px 4px 4px rgb(163, 155,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3991, 0.3621, 0.3943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 155, 112) }
```

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

```
.background{ background-color: rgb(163,  
155, 112) }
```

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