

Converting Colors

$Y_{xy}(32.8235, 0.3605, 0.4069)$

Have a look what the booklet for
Yxy(32.8235, 0.3605, 0.4069)
contains.

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Color

Yxy(32.7844, 0.3601, 0.4074)

Conversions

Conversions Part 1

Format	Color
Hex	9E9E6B
RGB	158, 158, 107
RGB Percent	62%, 62%, 42%
CMY	0.3805, 0.3803, 0.5804
CMYK	0.00, 0.00, 0.32, 0.38
HSL	60°, 21%, 52%
HSV	60°, 32%, 62%
XYZ	28.9781, 32.7844, 18.7098
YIQ	152.1860, 16.3710, -15.8610

Conversions

Conversions Part 2

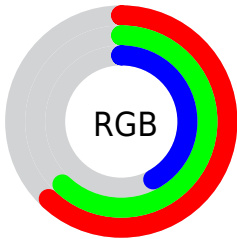
Format	Color
RYB	107, 158, 107
Decimal	10395243
CIELab	63.99, -8.24, 26.72
CIELCh	64, 27.960, 107.151
Yxy	32.7844, 0.3601, 0.4074
Android (android.graphics.Color)	4288585323 (0xFF9E9E6B)
YUV	152.1860, -22.2767, 5.0989
Hunter-Lab	57.2577, -9.8622, 20.7065

Details

The Yxy color **32.7844, 0.3601, 0.4074** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.1118, 0.2567, 0.2364**, and the grayscale version is **31.5761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2378, 0.3508, 0.3919**, and **13.8953, 0.3739, 0.4332** is the 20% darker color. If you saturate the color by 10%, you get **32.4821, 0.3741, 0.4306**, and if you desaturate by 10%, it is **33.1504, 0.3454, 0.3831**.

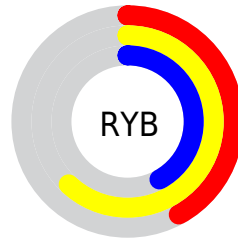
Distribution



Red (62%)

Green (62%)

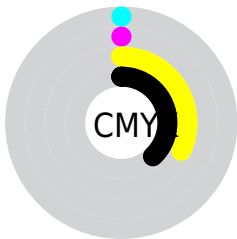
Blue (42%)



Red (42%)

Yellow (62%)

Blue (42%)

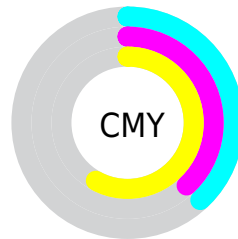


Cyan (0%)

Magenta (0%)

Yellow (32%)

Black (38%)



Cyan (38%)

Magenta (38%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.7844, 0.3601, 0.4074 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 32.7844, 0.3601, 0.4074 by changing the saturation by 10% instead.

■ 32.7844, 0.3601,
0.4074

■ 32.7844, 0.3601,
0.4074

■ 314.6771, 0.3358,
0.3655

■ 21.9613, 0.3662,
0.4187

■ 64.0388, 0.3512,
0.3915

■ 13.8285, 0.3739,
0.4335

■ 85.2389, 0.3479,
0.3858

■ 8.0015, 0.3838,
0.4539

■ 110.6668, 0.3451,
0.3810

■ 4.0959, 0.3962,
0.4829

■ 140.7069, 0.3427,
0.3769

■ 1.7273, 0.4382,
0.5618

■ 175.7436, 0.3406,
0.3734

■ 0.4413, 0.3308,
0.6692

■ 216.1612, 0.3388,

■ 0.0000, 0.0000,

0.3704

0.0000

262.3443, 0.3372,
0.3678

■ 32.7844, 0.3601,
0.4074

■ 32.7844, 0.3601,
0.4074

■ 32.4821, 0.3741,
0.4306

■ 33.1504, 0.3454,
0.3831

■ 32.2358, 0.3870,
0.4519

■ 33.5788, 0.3306,
0.3585

■ 32.0434, 0.3981,
0.4702

■ 34.0739, 0.3160,
0.3344

■ 31.9007, 0.4069,
0.4850


■ 34.6383, 0.3020,
0.3112

■ 31.8032, 0.4134,
0.4956


■ 35.2747, 0.2888,
0.2894


 31.7454, 0.4173,
0.5022

 35.9854, 0.2765,
0.2691

 31.7176, 0.4192,
0.5053

 36.7727, 0.2652,
0.2505

 37.6389, 0.2549,
0.2334

 38.5859, 0.2456,
0.2180

Harmonies

Analogous

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



32.7844, 0.3909, 0.3898



32.7844, 0.3601, 0.4074



32.7844, 0.3178, 0.4018

Triad

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



32.7844, 0.3601, 0.4074



32.7844, 0.2323, 0.2897



32.7844, 0.3475, 0.2909

Complementary

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



32.7844, 0.3601, 0.4074



16.1118, 0.2567, 0.2364

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.



32.7844, 0.3027, 0.2678



32.7844, 0.3601, 0.4074



32.7844, 0.2387, 0.2652

Square

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



32.7844, 0.3601, 0.4074



32.7844, 0.2453, 0.3287



32.7844, 0.2635, 0.2582



32.7844, 0.3843, 0.3232

Rectangle

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



32.7844, 0.3601, 0.4074



32.7844, 0.2891, 0.3840



32.7844, 0.2635, 0.2582



32.7844, 0.3327, 0.2820

Sweetspot

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



32.7859, 0.3601, 0.4074



61.1474, 0.3275, 0.3534



18.8468, 0.3845, 0.3292



13.7601, 0.3294, 0.3566



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



32.7859, 0.3601, 0.4074



59.1076, 0.3707, 0.4249



30.4652, 0.3333, 0.4148



7.7202, 0.3261, 0.3511



25.3988, 0.4192, 0.5053



0.4542, 0.4193, 0.5053

Inverse Universe

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



16.1118, 0.2567, 0.2364



23.8427, 0.2413, 0.2109



17.9304, 0.2854, 0.2434



6.4355, 0.2987, 0.3059



1.9777, 0.1500, 0.0600



0.0354, 0.1502, 0.0601

Previews

White Background



This preview shows how the Yxy color 32.7844, 0.3601, 0.4074 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 32.7844, 0.3601, 0.4074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

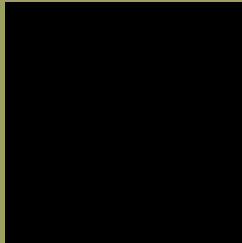
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

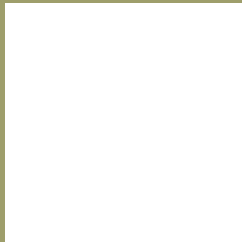
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.7844, 0.3601, 0.4074

Background



This preview shows how black text looks on a background with the Yxy color 32.7844, 0.3601, 0.4074.



This preview shows how white text looks on a background with the Yxy color 32.7844, 0.3601, 0.4074.

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

32.7844, 0.3601, 0.4074

Protanopia

32.8081, 0.3732, 0.4019

Deuteranopia

32.4743, 0.3915, 0.3839



Tritanopia

32.7769, 0.3155, 0.3116

Trichromacy



Original Color

32.7844, 0.3601, 0.4074

Protanomaly

32.7101, 0.3684, 0.4044

Deuteranomaly

32.6531, 0.3805, 0.3930

Tritanomaly

32.7758, 0.3312, 0.3456

Monochromacy



Original Color

32.7844, 0.3601, 0.4074

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.7588, 0.3296, 0.3570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7844, 0.3601, 0.4074 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(158, 158, 107)` looks like.

```
.text, #text, p{  
    color:rgb(158, 158, 107)  
}
```

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(158, 158, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 158, 107) }
```

Border

The CSS property to change the border of an element to Yxy 32.7844, 0.3601, 0.4074 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(158, 158, 107) }
```

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

```
.border{ border-color:rgb(158, 158, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 158, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 158, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 158, 107); box-shadow:4px 4px 4px 4px rgb(158, 158, 107) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7844, 0.3601, 0.4074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 158, 107) }
```

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

```
.background{ background-color: rgb(158,  
158, 107) }
```

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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