

Converting Colors

$Y_{xy}(32.7199, 0.3924, 0.4729)$

Have a look what the booklet for
Yxy(32.7199, 0.3924, 0.4729)
contains.

| | |
|------------------------------------------------|----|
| Yxy(32.8946, 0.3927, 0.4732) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(32.8946, 0.3927, 0.4732)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 9CA13D |
| RGB | 156, 161, 61 |
| RGB Percent | 61%, 63%, 24% |
| CMY | 0.3882, 0.3686, 0.7609 |
| CMYK | 0.03, 0.00, 0.62, 0.37 |
| HSL | 63°, 45%, 44% |
| HSV | 63°, 62%, 63% |
| XYZ | 27.2986, 32.8946, 9.3220 |
| YIQ | 148.1050, 29.1200, -32.1600 |

Conversions

Conversions Part 2

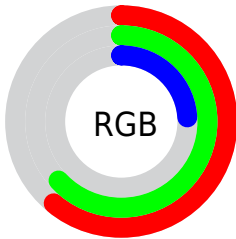
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 61, 161, 66 |
| Decimal | 10264893 |
| CIELab | 64.08, -15.26, 49.91 |
| CIElCh | 64, 52.194, 107.002 |
| Yxy | 32.8946, 0.3927, 0.4732 |
| Android (android.graphics.Color) | 4288454973 (0xFF9CA13D) |
| YUV | 148.1050, -42.9428, 6.9239 |
| Hunter-Lab | 57.3538, -15.4087, 30.5110 |

Details

The Yxy color **32.8946, 0.3927, 0.4732** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.0657, 0.1991, 0.1360**, and the grayscale version is **29.8346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4501, 0.3802, 0.4457**, and **13.9766, 0.4072, 0.5148** is the 20% darker color. If you saturate the color by 10%, you get **32.6681, 0.4008, 0.4890**, and if you desaturate by 10%, it is **33.1768, 0.3824, 0.4539**.

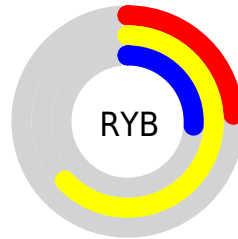
Distribution



Red (61%)

Green (63%)

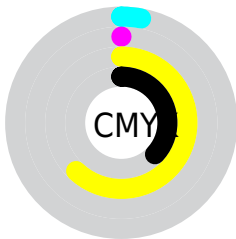
Blue (24%)



Red (24%)

Yellow (63%)

Blue (26%)

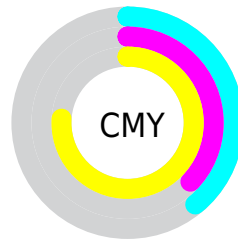


Cyan (3%)

Magenta (0%)

Yellow (62%)

Black (37%)



Cyan (39%)

Magenta (37%)


Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.8946, 0.3927, 0.4732 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 32.8946, 0.3927, 0.4732 by changing the saturation by 10% instead.

 32.8946, 0.3927,
0.4732


 32.8946, 0.3927,
0.4732


315.1745, 0.3549,
0.3977

 22.0457, 0.4000,
0.4917


 64.2109, 0.3802,
0.4456


 13.8905, 0.4076,
0.5145


 85.4472, 0.3750,
0.4352


 8.0445, 0.4146,
0.5436


 110.9147, 0.3705,
0.4265

 4.1235, 0.4187,
0.5813

 140.9978, 0.3666,
0.4190

 1.7429, 0.3949,
0.6051

 176.0809, 0.3631,
0.4126

 0.4512, 0.1109,
0.8891

216.5485, 0.3601,

 0.0000, 0.0000,

0.4070

0.0000

262.7849, 0.3573,
0.4020

■ 32.8946, 0.3927,
0.4732

■ 32.8946, 0.3927,
0.4732

■ 32.6681, 0.4008,
0.4890

■ 33.1768, 0.3824,
0.4539

■ 32.4878, 0.4064,
0.5007

■ 33.5143, 0.3705,
0.4318

■ 32.3496, 0.4095,
0.5082

■ 33.9124, 0.3573,
0.4079

■ 32.2596, 0.4107,
0.5121

■ 34.3747, 0.3434,
0.3831

■ 34.9042, 0.3294,
0.3583

■ 35.5041, 0.3156,
0.3340

■ 36.1771, 0.3023,
0.3109

■ 36.9258, 0.2898,
0.2892

■ 37.7528, 0.2781,
0.2690

Harmonies

Analogous

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



32.8946, 0.4519, 0.4301



32.8946, 0.3927, 0.4732



32.8946, 0.3163, 0.4731

Triad

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



32.8946, 0.3927, 0.4732



32.8946, 0.1736, 0.2531



32.8946, 0.3752, 0.2613

Complementary

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



32.8946, 0.3927, 0.4732



7.0657, 0.1991, 0.1360

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.



32.8946, 0.2914, 0.2238



32.8946, 0.3927, 0.4732



32.8946, 0.1844, 0.2152

Square

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



32.8946, 0.3927, 0.4732



32.8946, 0.1928, 0.3240



32.8946, 0.2240, 0.2070



32.8946, 0.4466, 0.3133

Rectangle

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



32.8946, 0.3927, 0.4732



32.8946, 0.2659, 0.4385



32.8946, 0.2240, 0.2070



32.8946, 0.3469, 0.2468

Sweetspot

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



32.8961, 0.3927, 0.4732



61.8109, 0.3395, 0.3762



11.6162, 0.5005, 0.3343



13.5027, 0.3433, 0.3829



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.



32.8961, 0.3927, 0.4732



58.3561, 0.4035, 0.4945



28.9937, 0.3420, 0.5026



8.2192, 0.3254, 0.3513



25.7695, 0.4108, 0.5120



0.5466, 0.4141, 0.5094

Inverse Universe

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



7.0657, 0.1991, 0.1360



8.0528, 0.1745, 0.0960



9.5077, 0.2541, 0.1602



6.8760, 0.2994, 0.3058



2.1019, 0.1520, 0.0611



0.0489, 0.1616, 0.0664

Previews

White Background



This preview shows how the Yxy color 32.8946, 0.3927, 0.4732 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 32.8946, 0.3927, 0.4732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

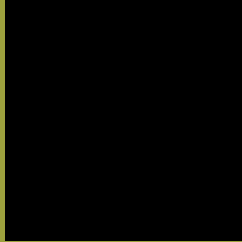
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8946, 0.3927, 0.4732

Background



This preview shows how black text looks on a background with the Yxy color 32.8946, 0.3927, 0.4732.



This preview shows how white text looks on a background with the Yxy color 32.8946, 0.3927, 0.4732.

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

32.8946, 0.3927, 0.4732

Protanopia

32.6427, 0.4174, 0.4581

Deuteranopia

32.8989, 0.4412, 0.4328



Tritanopia

32.8846, 0.3165, 0.3116

Trichromacy



Original Color

32.8946, 0.3927, 0.4732

Protanomaly

32.6557, 0.4085, 0.4630

Deuteranomaly

32.8559, 0.4234, 0.4467

Tritanomaly

32.6304, 0.3475, 0.3731

Monochromacy



Original Color

32.8946, 0.3927, 0.4732

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.6227, 0.3460, 0.3880

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8946, 0.3927, 0.4732 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(156, 161, 61)` looks like.

```
.text, #text, p{  
    color:rgb(156, 161, 61)  
}
```

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(156, 161, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 161, 61) }
```

Border

The CSS property to change the border of an element to Yxy 32.8946, 0.3927, 0.4732 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(156, 161, 61) }
```

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

```
.border{ border-color:rgb(156, 161, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 161, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 161, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 161, 61);  
box-shadow:4px 4px 4px 4px rgb(156, 161,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8946, 0.3927, 0.4732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 161, 61) }
```

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

```
.background{ background-color: rgb(156,  
161, 61) }
```

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