

Converting Colors

$Y_{xy}(32.8344, 0.3857, 0.4474)$

Have a look what the booklet for
Yxy(32.8344, 0.3857, 0.4474)
contains.

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Color

Yxy(32.8344, 0.3857, 0.4474)

Conversions

Conversions Part 1

Format	Color
Hex	A09F4F
RGB	160, 159, 79
RGB Percent	63%, 62%, 31%
CMY	0.3726, 0.3764, 0.6901
CMYK	0.00, 0.01, 0.51, 0.37
HSL	59°, 34%, 47%
HSV	59°, 51%, 63%
XYZ	28.3063, 32.8344, 12.2487
YIQ	150.1790, 26.2760, -24.6680

Conversions

Conversions Part 2

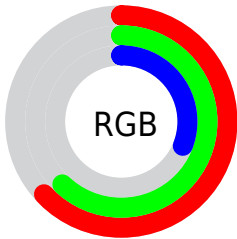
Format	Color
RYB	80, 160, 79
Decimal	10526543
CIELab	64.03, -11.04, 41.43
CIELCh	64, 42.876, 104.922
Yxy	32.8344, 0.3857, 0.4474
Android (android.graphics.Color)	4288716623 (0xFFA09F4F)
YUV	150.1790, -35.0912, 8.6130
Hunter-Lab	57.3013, -12.1001, 27.4371

Details

The Yxy color **32.8344, 0.3857, 0.4474** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.9414, 0.2187, 0.1747**, and the grayscale version is **30.7243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3038, 0.3728, 0.4251**, and **13.8780, 0.4025, 0.4846** is the 20% darker color. If you saturate the color by 10%, you get **32.5632, 0.3974, 0.4662**, and if you desaturate by 10%, it is **33.1648, 0.3724, 0.4259**.

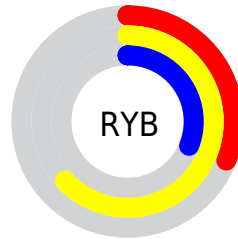
Distribution



Red (63%)

Green (62%)

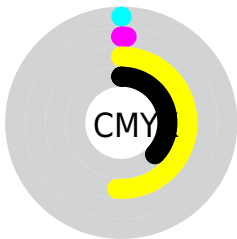
Blue (31%)



Red (31%)

Yellow (63%)

Blue (31%)

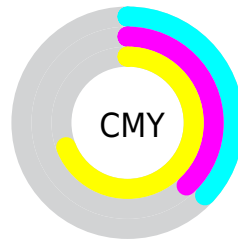


Cyan (0%)

Magenta (1%)

Yellow (51%)

Black (37%)



Cyan (37%)


Magenta (38%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8344, 0.3857, 0.4474 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 32.8344, 0.3857, 0.4474 by changing the saturation by 10% instead.


 32.8344, 0.3857,
0.4474

 32.8344, 0.3857,
0.4474


314.9029, 0.3496,
0.3850

 21.9996, 0.3938,
0.4633


 64.1169, 0.3731,
0.4243

 13.8566, 0.4031,
0.4834


 85.3334, 0.3682,
0.4157

 8.0210, 0.4132,
0.5090


 110.7793, 0.3639,
0.4085

 4.1084, 0.4380,
0.5620

 140.8389, 0.3603,
0.4024

 1.7344, 0.4211,
0.5789

 175.8967, 0.3571,
0.3971

 0.4458, 0.2570,
0.7430

216.3370, 0.3543,

 0.0000, 0.0000,

0.3925

0.0000

262.5443, 0.3518,
0.3885

■ 32.8344, 0.3857,
0.4474

■ 32.8344, 0.3857,
0.4474

■ 32.5632, 0.3974,
0.4662

■ 33.1648, 0.3724,
0.4259

■ 32.3426, 0.4070,
0.4814

■ 33.5535, 0.3580,
0.4026

■ 32.1695, 0.4142,
0.4927

■ 34.0055, 0.3431,
0.3784

■ 32.0383, 0.4188,
0.4998

■ 34.5238, 0.3281,
0.3541

■ 31.9412, 0.4214,
0.5036

■ 35.1114, 0.3136,
0.3304

■ 35.7711, 0.2997,
0.3077

■ 36.5053, 0.2866,
0.2864

■ 37.3166, 0.2746,
0.2666

■ 38.2073, 0.2635,
0.2484

Harmonies

Analogous

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



32.8344, 0.4323, 0.4134



32.8344, 0.3857, 0.4474



32.8344, 0.3224, 0.4468

Triad

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



32.8344, 0.3857, 0.4474



32.8344, 0.1951, 0.2706



32.8344, 0.3599, 0.2695

Complementary

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



32.8344, 0.3857, 0.4474



9.9414, 0.2187, 0.1747

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.



32.8344, 0.2912, 0.2381



32.8344, 0.3857, 0.4474



32.8344, 0.2025, 0.2351

Square

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



32.8344, 0.3857, 0.4474



32.8344, 0.2145, 0.3312



32.8344, 0.2354, 0.2253



32.8344, 0.4196, 0.3141

Rectangle

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



32.8344, 0.3857, 0.4474



32.8344, 0.2794, 0.4207



32.8344, 0.2354, 0.2253



32.8344, 0.3367, 0.2573

Sweetspot

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



32.8359, 0.3857, 0.4474



62.2363, 0.3351, 0.3655



13.6542, 0.4496, 0.3273



13.6090, 0.3381, 0.3703



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.



32.8359, 0.3857, 0.4474



59.0634, 0.3991, 0.4688



29.7585, 0.3435, 0.4679



7.7065, 0.3261, 0.3508



24.8897, 0.4214, 0.5036



0.4490, 0.4205, 0.5043

Inverse Universe

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



9.9414, 0.2187, 0.1747



12.5842, 0.1953, 0.1360



11.9974, 0.2627, 0.1895



6.4475, 0.2987, 0.3062



2.0149, 0.1503, 0.0610



0.0394, 0.1517, 0.0661

Previews

White Background



This preview shows how the Yxy color 32.8344, 0.3857, 0.4474 looks on a white background.

Color Contrast Check

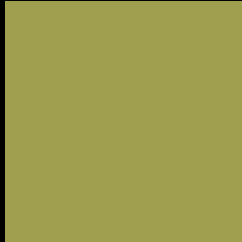
Large Text (above 18pt) WCAG AA × Fail

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 32.8344, 0.3857, 0.4474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

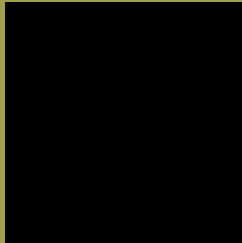
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8344, 0.3857, 0.4474

Background



This preview shows how black text looks on a background with the Yxy color 32.8344, 0.3857, 0.4474.



This preview shows how white text looks on a background with the Yxy color 32.8344, 0.3857, 0.4474.

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

32.8344, 0.3857, 0.4474

Protanopia

32.6507, 0.4014, 0.4384

Deuteranopia

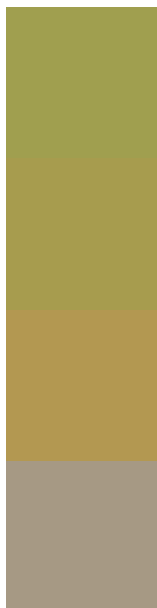
32.7362, 0.4241, 0.4163



Tritanopia

32.8563, 0.3206, 0.3118

Trichromacy



Original Color

32.8344, 0.3857, 0.4474

Protanomaly

32.5425, 0.3962, 0.4416

Deuteranomaly

32.6343, 0.4099, 0.4273

Tritanomaly

32.5554, 0.3464, 0.3605

Monochromacy



Original Color

32.8344, 0.3857, 0.4474

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.1077, 0.3415, 0.3746

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8344, 0.3857, 0.4474 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(160, 159, 79)` looks like.

```
.text, #text, p{  
    color:rgb(160, 159, 79)  
}
```

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(160, 159, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 159, 79) }
```

Border

The CSS property to change the border of an element to Yxy 32.8344, 0.3857, 0.4474 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(160, 159, 79) }
```

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

```
.border{ border-color:rgb(160, 159, 79) }
```

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

Here you see how a box with a 4 pixel rgb(160, 159, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 159, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 159, 79);  
box-shadow:4px 4px 4px 4px rgb(160, 159,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8344, 0.3857, 0.4474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 159, 79) }
```

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

```
.background{ background-color: rgb(160,  
159, 79) }
```

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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