

Converting Colors

$Y_{xy}(32.2370, 0.4069, 0.4443)$

Have a look what the booklet for
Yxy(32.2370, 0.4069, 0.4443)
contains.

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Color

Yxy(32.2370, 0.4069, 0.4443)

Conversions

Conversions Part 1

Format	Color
Hex	AB9A48
RGB	171, 154, 72
RGB Percent	67%, 60%, 28%
CMY	0.3293, 0.3961, 0.7177
CMYK	0.00, 0.10, 0.58, 0.33
HSL	50°, 41%, 48%
HSV	50°, 58%, 67%
XYZ	29.5234, 32.2370, 10.7965
YIQ	149.7350, 36.4540, -21.8980

Conversions

Conversions Part 2

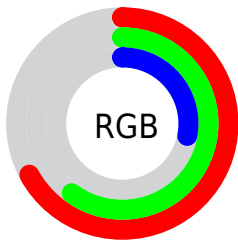
Format	Color
RYB	93, 171, 72
Decimal	11246152
CIELab	63.54, -4.22, 44.56
CIELCh	64, 44.764, 95.406
Yxy	32.2370, 0.4069, 0.4443
Android (android.graphics.Color)	4289436232 (0xFFAB9A48)
YUV	149.7350, -38.3234, 18.6494
Hunter-Lab	56.7776, -6.5440, 28.4702

Details

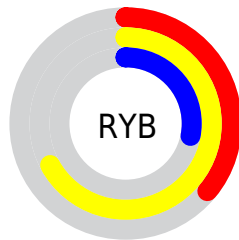
The Yxy color **32.2370, 0.4069, 0.4443** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.4673, 0.2089, 0.1761**, and the grayscale version is **30.5365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0358, 0.3901, 0.4230**, and **13.4676, 0.4303, 0.4755** is the 20% darker color. If you saturate the color by 10%, you get **31.0868, 0.4216, 0.4589**, and if you desaturate by 10%, it is **33.4761, 0.3907, 0.4267**.

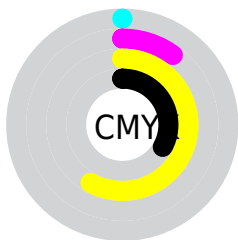
Distribution



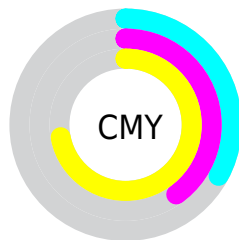
- Red (67%)
- Green (60%)
- Blue (28%)



- Red (36%)
- Yellow (67%)
- Blue (28%)



- Cyan (0%)
- Magenta (10%)
- Yellow (58%)
- Black (33%)





- Cyan (33%)
- Magenta (40%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2370, 0.4069, 0.4443 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 32.2370, 0.4069, 0.4443 by changing the saturation by 10% instead.


 32.2370, 0.4069,
0.4443


 32.2370, 0.4069,
0.4443


312.1974, 0.3597,
0.3851


 21.5426, 0.4177,
0.4585


 63.1824, 0.3902,
0.4229

 13.5212, 0.4303,
0.4758


 84.2023, 0.3838,
0.4148


 7.7884, 0.4445,
0.4965


 109.4327, 0.3783,
0.4079

 3.9599, 0.4685,
0.5315

 139.2581, 0.3735,
0.4020

 1.6511, 0.4621,
0.5379

 174.0629, 0.3694,
0.3969

 0.3917, 0.4075,
0.5925

214.2314, 0.3657,

 0.0000, 0.0000,

0.3924

0.0000

260.1482, 0.3625,
0.3885

■ 32.2370, 0.4069,
0.4443

■ 32.2370, 0.4069,
0.4443

■ 31.0868, 0.4216,
0.4589

■ 33.4761, 0.3907,
0.4267

■ 30.0154, 0.4342,
0.4696

■ 34.8045, 0.3739,
0.4071

■ 29.0181, 0.4442,
0.4759

■ 36.2279, 0.3569,
0.3864

■ 28.0845, 0.4516,
0.4781

■ 37.7505, 0.3403,
0.3654

■ 27.8932, 0.4531,
0.4784

■ 39.3761, 0.3245,
0.3448

■ 41.1081, 0.3097,
0.3249

■ 42.9499, 0.2960,
0.3062

■ 44.9047, 0.2836,
0.2887

■ 46.9754, 0.2722,
0.2725

Harmonies

Analogous

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



32.2370, 0.4469, 0.4012



32.2370, 0.4069, 0.4443



32.2370, 0.3442, 0.4585

Triad

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



32.2370, 0.4069, 0.4443



32.2370, 0.1933, 0.2850



32.2370, 0.3389, 0.2547

Complementary

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



32.2370, 0.4069, 0.4443



11.4673, 0.2089, 0.1761

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.



32.2370, 0.2693, 0.2277



32.2370, 0.4069, 0.4443



32.2370, 0.1924, 0.2393

Square

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



32.2370, 0.4069, 0.4443



32.2370, 0.2221, 0.3548



32.2370, 0.2182, 0.2213



32.2370, 0.4078, 0.2974

Rectangle

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



32.2370, 0.4069, 0.4443



32.2370, 0.2984, 0.4416



32.2370, 0.2182, 0.2213



32.2370, 0.3146, 0.2436

Sweetspot

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



32.2385, 0.4069, 0.4443



67.7597, 0.3393, 0.3642



14.0356, 0.4527, 0.3030



14.9894, 0.3425, 0.3682



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



32.2385, 0.4069, 0.4443



55.2019, 0.4247, 0.4617



35.1483, 0.3621, 0.4804



9.0923, 0.3267, 0.3476



21.0889, 0.4527, 0.4787



0.6475, 0.4410, 0.4880

Inverse Universe

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



11.4673, 0.2089, 0.1761



14.7237, 0.1872, 0.1399



10.4802, 0.2335, 0.1599



7.9716, 0.2986, 0.3096



2.9494, 0.1548, 0.0773



0.1473, 0.1683, 0.1259

Previews

White Background



This preview shows how the Yxy color 32.2370, 0.4069, 0.4443 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 32.2370, 0.4069, 0.4443 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 32.2370, 0.4069, 0.4443

Background



This preview shows how black text looks on a background with the Yxy color 32.2370, 0.4069, 0.4443.



This preview shows how white text looks on a background with the Yxy color 32.2370, 0.4069, 0.4443.

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

32.2370, 0.4069, 0.4443

Protanopia

32.2370, 0.4069, 0.4443

Deuteranopia

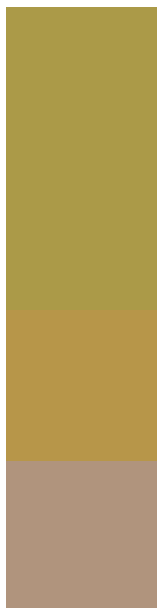
32.3090, 0.4319, 0.4240



Tritanopia

32.2348, 0.3377, 0.3136

Trichromacy



Original Color

32.2370, 0.4069, 0.4443

Protanomaly

32.2370, 0.4069, 0.4443

Deuteranomaly

32.3610, 0.4225, 0.4322

Tritanomaly

31.8906, 0.3661, 0.3626

Monochromacy



Original Color

32.2370, 0.4069, 0.4443

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.8075, 0.3483, 0.3742

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2370, 0.4069, 0.4443 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(171, 154, 72)` looks like.

```
.text, #text, p{  
    color:rgb(171, 154, 72)  
}
```

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(171, 154, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 154, 72) }
```

Border

The CSS property to change the border of an element to Yxy 32.2370, 0.4069, 0.4443 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(171, 154, 72) }
```

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

```
.border{ border-color:rgb(171, 154, 72) }
```

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

Here you see how a box with a 4 pixel rgb(171, 154, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 154, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 154, 72);  
box-shadow:4px 4px 4px 4px rgb(171, 154,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2370, 0.4069, 0.4443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 154, 72) }
```

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

```
.background{ background-color: rgb(171,  
154, 72) }
```

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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