

Converting Colors

$Y_{xy}(32.5291, 0.4063, 0.4551)$

Have a look what the booklet for
Yxy(32.5291, 0.4063, 0.4551)
contains.

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Color

Yxy(32.4951, 0.4064, 0.4550)

Conversions

Conversions Part 1

Format	Color
Hex	A89C42
RGB	168, 156, 66
RGB Percent	66%, 61%, 26%
CMY	0.3411, 0.3882, 0.7411
CMYK	0.00, 0.07, 0.61, 0.34
HSL	53°, 44%, 46%
HSV	53°, 61%, 66%
XYZ	29.0242, 32.4951, 9.8985
YIQ	149.3280, 36.0420, -25.4460

Conversions

Conversions Part 2

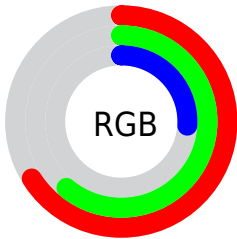
Format	Color
RYB	80, 168, 66
Decimal	11050050
CIELab	63.75, -7.05, 47.57
CIELCh	64, 48.090, 98.429
Yxy	32.4951, 0.4064, 0.4550
Android (android.graphics.Color)	4289240130 (0xFFA89C42)
YUV	149.3280, -41.0807, 16.3753
Hunter-Lab	57.0045, -8.8734, 29.6078

Details

The Yxy color **32.4951, 0.4064, 0.4550** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.4413, 0.2017, 0.1581**, and the grayscale version is **30.3679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3851, 0.3906, 0.4320**, and **13.6380, 0.4276, 0.4892** is the 20% darker color. If you saturate the color by 10%, you get **31.6673, 0.4189, 0.4692**, and if you desaturate by 10%, it is **33.3951, 0.3921, 0.4374**.

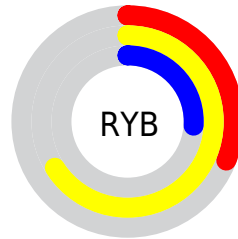
Distribution



Red (66%)

Green (61%)

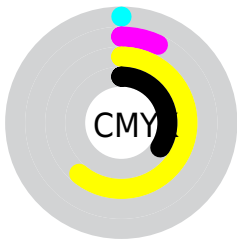
Blue (26%)



Red (31%)

Yellow (66%)

Blue (26%)

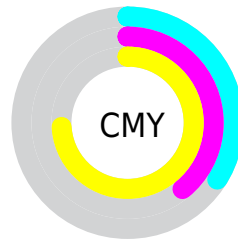


Cyan (0%)

Magenta (7%)

Yellow (61%)

Black (34%)



Cyan (34%)


Magenta (39%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.4951, 0.4064, 0.4550 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 32.4951, 0.4064, 0.4550 by changing the saturation by 10% instead.


 32.4951, 0.4064,
0.4550


 32.4951, 0.4064,
0.4550


313.3685, 0.3603,
0.3902


 21.7399, 0.4164,
0.4705


 63.5864, 0.3904,
0.4317

 13.6659, 0.4278,
0.4892


 84.6914, 0.3841,
0.4228


 7.8887, 0.4400,
0.5118


 110.0151, 0.3787,
0.4152

 4.0238, 0.4559,
0.5441

 139.9420, 0.3740,
0.4088

 1.6869, 0.4451,
0.5549

 174.8563, 0.3699,
0.4032

 0.4151, 0.3489,
0.6511

215.1426, 0.3663,

 0.0000, 0.0000,

0.3983

0.0000

261.1852, 0.3631,
0.3940

■ 32.4951, 0.4064,
0.4550

■ 32.4951, 0.4064,
0.4550

■ 31.6673, 0.4189,
0.4692

■ 33.3951, 0.3921,
0.4374

■ 30.9016, 0.4290,
0.4794

■ 34.3672, 0.3765,
0.4175

■ 30.1935, 0.4365,
0.4852

■ 35.4173, 0.3604,
0.3960

■ 29.5743, 0.4415,
0.4876

■ 36.5493, 0.3443,
0.3738

■ 37.7666, 0.3287,
0.3518

■ 39.0726, 0.3137,
0.3305

■ 40.4705, 0.2998,
0.3102

■ 41.9632, 0.2869,
0.2911

■ 43.5536, 0.2751,
0.2735

Harmonies

Analogous

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



32.4951, 0.4529, 0.4100



32.4951, 0.4064, 0.4550



32.4951, 0.3380, 0.4673

Triad

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



32.4951, 0.4064, 0.4550



32.4951, 0.1846, 0.2751



32.4951, 0.3484, 0.2540

Complementary

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



32.4951, 0.4064, 0.4550



9.4413, 0.2017, 0.1581

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.



32.4951, 0.2729, 0.2236



32.4951, 0.4064, 0.4550



32.4951, 0.1867, 0.2301

Square

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



32.4951, 0.4064, 0.4550



32.4951, 0.2116, 0.3481



32.4951, 0.2165, 0.2144



32.4951, 0.4208, 0.3001

Rectangle

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



32.4951, 0.4064, 0.4550



32.4951, 0.2896, 0.4458



32.4951, 0.2165, 0.2144



32.4951, 0.3222, 0.2418

Sweetspot

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



32.4966, 0.4064, 0.4550



66.8158, 0.3405, 0.3686



12.7989, 0.4731, 0.3100



14.4319, 0.3450, 0.3748



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



32.4966, 0.4064, 0.4550



56.9311, 0.4229, 0.4734



33.2021, 0.3584, 0.4899



8.6206, 0.3265, 0.3487



22.3755, 0.4413, 0.4878



0.5854, 0.4331, 0.4943

Inverse Universe

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



9.4413, 0.2017, 0.1581



11.5273, 0.1783, 0.1183



9.6344, 0.2348, 0.1543



7.4378, 0.2986, 0.3085



2.5495, 0.1529, 0.0703



0.1042, 0.1637, 0.1093

Previews

White Background



This preview shows how the Yxy color 32.4951, 0.4064, 0.4550 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 32.4951, 0.4064, 0.4550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

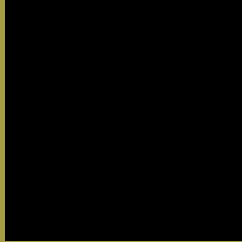
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.4951, 0.4064, 0.4550

Background



This preview shows how black text looks on a background with the Yxy color 32.4951, 0.4064, 0.4550.



This preview shows how white text looks on a background with the Yxy color 32.4951, 0.4064, 0.4550.

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

32.4951, 0.4064, 0.4550

Protanopia

32.6067, 0.4116, 0.4516

Deuteranopia

32.3735, 0.4370, 0.4287



Tritanopia

32.2565, 0.3323, 0.3120

Trichromacy



Original Color

32.4951, 0.4064, 0.4550

Protanomaly

32.4940, 0.4105, 0.4522

Deuteranomaly

32.2973, 0.4264, 0.4375

Tritanomaly

32.1776, 0.3620, 0.3658

Monochromacy



Original Color

32.4951, 0.4064, 0.4550

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.8563, 0.3488, 0.3807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4951, 0.4064, 0.4550 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(168, 156, 66)` looks like.

```
.text, #text, p{  
    color:rgb(168, 156, 66)  
}
```

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(168, 156, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 156, 66) }
```

Border

The CSS property to change the border of an element to Yxy 32.4951, 0.4064, 0.4550 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(168, 156, 66) }
```

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

```
.border{ border-color:rgb(168, 156, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 156, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 156, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 156, 66);  
box-shadow:4px 4px 4px 4px rgb(168, 156,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4951, 0.4064, 0.4550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 156, 66) }
```

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

```
.background{ background-color: rgb(168,  
156, 66) }
```

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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