

Converting Colors

$Y_{xy}(31.2401, 0.3952, 0.4242)$

Have a look what the booklet for
Yxy(31.2401, 0.3952, 0.4242)
contains.

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Color

Yxy(31.2401, 0.3952, 0.4242)

Conversions

Conversions Part 1

Format	Color
Hex	A99756
RGB	169, 151, 86
RGB Percent	66%, 59%, 34%
CMY	0.3374, 0.4078, 0.6627
CMYK	0.00, 0.11, 0.49, 0.34
HSL	47°, 33%, 50%
HSV	47°, 49%, 66%
XYZ	29.1044, 31.2401, 13.3002
YIQ	148.9720, 31.5930, -16.3990

Conversions

Conversions Part 2

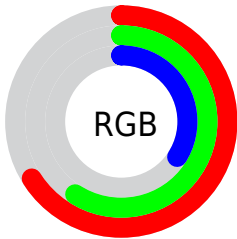
Format	Color
RYB	109, 169, 86
Decimal	11114326
CIELab	62.71, -2.26, 36.47
CIELCh	63, 36.542, 93.539
Yxy	31.2401, 0.3952, 0.4242
Android (android.graphics.Color)	4289304406 (0xFFA99756)
YUV	148.9720, -31.0452, 17.5646
Hunter-Lab	55.8928, -4.8643, 25.0164

Details

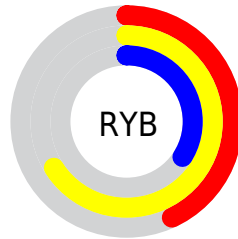
The Yxy color **31.2401, 0.3952, 0.4242** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.7354, 0.2271, 0.2099**, and the grayscale version is **30.1653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6375, 0.3800, 0.4059**, and **12.8991, 0.4192, 0.4515** is the 20% darker color. If you saturate the color by 10%, you get **29.8413, 0.4125, 0.4408**, and if you desaturate by 10%, it is **32.7427, 0.3774, 0.4056**.

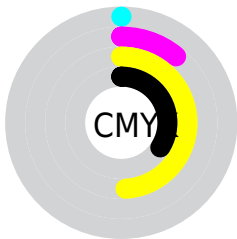
Distribution



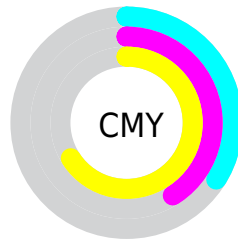
- Red (66%)
- Green (59%)
- Blue (34%)



- Red (43%)
- Yellow (66%)
- Blue (34%)



- Cyan (0%)
- Magenta (11%)
- Yellow (49%)
- Black (34%)




- Cyan (34%)
- Magenta (41%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2401, 0.3952, 0.4242 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 31.2401, 0.3952, 0.4242 by changing the saturation by 10% instead.


 31.2401, 0.3952,
0.4242


 31.2401, 0.3952,
0.4242


307.6429, 0.3527,
0.3745


 20.7817, 0.4057,
0.4367


 61.6179, 0.3797,
0.4059

 12.9646, 0.4186,
0.4524


 82.3061, 0.3739,
0.3991


 7.4041, 0.4346,
0.4723


 107.1731, 0.3689,
0.3933

 3.7161, 0.4648,
0.5094

 136.6032, 0.3647,
0.3885

 1.5161, 0.4735,
0.5265

 170.9808, 0.3611,
0.3842

 0.3000, 0.4340,
0.5660

210.6904, 0.3579,

 0.0000, 0.0000,

0.3806

0.0000

256.1163, 0.3551,
0.3774

■ 31.2401, 0.3952,
0.4242

■ 31.2401, 0.3952,
0.4242

■ 29.8413, 0.4125,
0.4408

■ 32.7427, 0.3774,
0.4056

■ 28.5370, 0.4284,
0.4543

■ 34.3493, 0.3597,
0.3859

■ 27.3232, 0.4423,
0.4640


■ 36.0654, 0.3426,
0.3659


■ 26.1934, 0.4536,
0.4691


■ 37.8949, 0.3264,
0.3462


■ 25.1352, 0.4625,
0.4703


■ 39.8414, 0.3114,
0.3273

 25.0424, 0.4632,
0.4704

 41.9083, 0.2976,
0.3095

 44.0988, 0.2851,
0.2928

 46.4160, 0.2738,
0.2774

 48.8630, 0.2636,
0.2633

Harmonies

Analogous

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



31.2401, 0.4257, 0.3891



31.2401, 0.3952, 0.4242



31.2401, 0.3440, 0.4350

Triad

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



31.2401, 0.3952, 0.4242



31.2401, 0.2129, 0.2970



31.2401, 0.3312, 0.2644

Complementary

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



31.2401, 0.3952, 0.4242



14.7354, 0.2271, 0.2099

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.



31.2401, 0.2738, 0.2422



31.2401, 0.3952, 0.4242



31.2401, 0.2102, 0.2563

Square

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



31.2401, 0.3952, 0.4242



31.2401, 0.2396, 0.3546



31.2401, 0.2312, 0.2385



31.2401, 0.3881, 0.3006

Rectangle

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



31.2401, 0.3952, 0.4242



31.2401, 0.3056, 0.4220



31.2401, 0.2312, 0.2385



31.2401, 0.3112, 0.2552

Sweetspot

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



31.2416, 0.3952, 0.4242



65.8457, 0.3363, 0.3583



16.0872, 0.4162, 0.3018



14.2095, 0.3396, 0.3623



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.



31.2416, 0.3952, 0.4242



53.2324, 0.4140, 0.4422



35.1003, 0.3594, 0.4568



8.4941, 0.3267, 0.3466



18.7507, 0.4627, 0.4708



0.5231, 0.4459, 0.4841

Inverse Universe

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



14.7354, 0.2271, 0.2099



20.2379, 0.2068, 0.1781



12.8033, 0.2451, 0.1862



7.5541, 0.2986, 0.3108



3.1688, 0.1569, 0.0850



0.1478, 0.1734, 0.1441

Previews

White Background



This preview shows how the Yxy color 31.2401, 0.3952, 0.4242 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 31.2401, 0.3952, 0.4242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

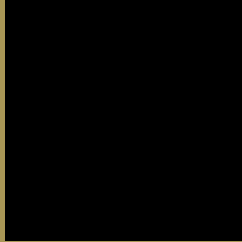
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2401, 0.3952, 0.4242

Background



This preview shows how black text looks on a background with the Yxy color 31.2401, 0.3952, 0.4242.



This preview shows how white text looks on a background with the Yxy color 31.2401, 0.3952, 0.4242.

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

31.2401, 0.3952, 0.4242

Protanopia

31.3438, 0.3923, 0.4263

Deuteranopia

31.2532, 0.4165, 0.4087



Tritanopia

31.2081, 0.3370, 0.3134

Trichromacy



Original Color

31.2401, 0.3952, 0.4242

Protanomaly

31.4532, 0.3934, 0.4259

Deuteranomaly

31.1393, 0.4083, 0.4136

Tritanomaly

31.0270, 0.3593, 0.3542

Monochromacy



Original Color

31.2401, 0.3952, 0.4242

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.3870, 0.3425, 0.3666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2401, 0.3952, 0.4242 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(169, 151, 86)` looks like.

```
.text, #text, p{  
    color:rgb(169, 151, 86)  
}
```

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(169, 151, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 151, 86) }
```

Border

The CSS property to change the border of an element to Yxy 31.2401, 0.3952, 0.4242 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(169, 151, 86) }
```

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

```
.border{ border-color:rgb(169, 151, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 151, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 151, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 151, 86);  
box-shadow:4px 4px 4px 4px rgb(169, 151,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2401, 0.3952, 0.4242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 151, 86) }
```

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

```
.background{ background-color: rgb(169,  
151, 86) }
```

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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