

Converting Colors

$Y_{xy}(31.2991, 0.4098, 0.4647)$

Have a look what the booklet for
Yxy(31.2991, 0.4098, 0.4647)
contains.

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Color

Yxy(31.2991, 0.4098, 0.4647)

Conversions

Conversions Part 1

Format	Color
Hex	A49A39
RGB	164, 154, 57
RGB Percent	64%, 60%, 22%
CMY	0.3569, 0.3960, 0.7766
CMYK	0.00, 0.06, 0.65, 0.36
HSL	54°, 48%, 43%
HSV	54°, 65%, 64%
XYZ	27.6014, 31.2991, 8.4528
YIQ	145.9320, 37.0970, -28.0470

Conversions

Conversions Part 2

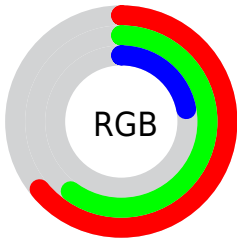
Format	Color
RYB	68, 164, 57
Decimal	10787385
CIELab	62.76, -8.37, 50.47
CIELCh	63, 51.163, 99.419
Yxy	31.2991, 0.4098, 0.4647
Android (android.graphics.Color)	4288977465 (0xFFA49A39)
YUV	145.9320, -43.8435, 15.8456
Hunter-Lab	55.9456, -9.8398, 30.2038

Details

The Yxy color **31.2991, 0.4098, 0.4647** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.5567, 0.1925, 0.1400**, and the grayscale version is **28.8858, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5880, 0.3933, 0.4394**, and **12.9517, 0.4288, 0.4977** is the 20% darker color. If you saturate the color by 10%, you get **30.6610, 0.4205, 0.4774**, and if you desaturate by 10%, it is **31.9994, 0.3969, 0.4483**.

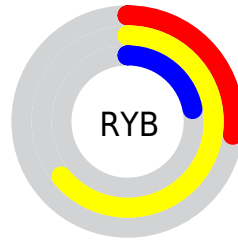
Distribution



Red (64%)

Green (60%)

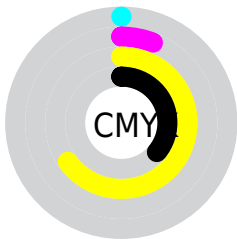
Blue (22%)



Red (27%)

Yellow (64%)

Blue (22%)

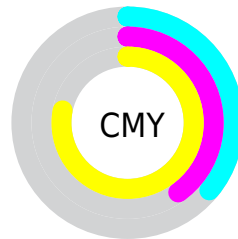


Cyan (0%)

Magenta (6%)

Yellow (65%)

Black (36%)



Cyan (36%)


Magenta (40%)

Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 31.2991, 0.4098, 0.4647 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 31.2991, 0.4098, 0.4647 by changing the saturation by 10% instead.

 31.2991, 0.4098,
0.4647


 31.2991, 0.4098,
0.4647


 307.9139, 0.3624,
0.3948

 20.8267, 0.4196,
0.4812


 61.7107, 0.3937,
0.4396


 12.9974, 0.4303,
0.5008


 82.4186, 0.3872,
0.4300


 7.4268, 0.4433,
0.5269


 107.3073, 0.3816,
0.4219

 3.7304, 0.4489,
0.5511

 136.7609, 0.3768,
0.4149

 1.5239, 0.4352,
0.5648

 171.1640, 0.3725,
0.4088

 0.3055, 0.2196,
0.7804

 210.9010, 0.3687,

 0.0000, 0.0000,

0.4036

0.0000

256.3561, 0.3654,
0.3989

■ 31.2991, 0.4098,
0.4647

■ 31.2991, 0.4098,
0.4647

■ 30.6610, 0.4205,
0.4774

■ 31.9994, 0.3969,
0.4483

■ 30.0754, 0.4287,
0.4860

■ 32.7621, 0.3825,
0.4289

■ 29.5370, 0.4343,
0.4903

■ 33.5928, 0.3670,
0.4076

■ 29.2906, 0.4365,
0.4916

■ 34.4954, 0.3512,
0.3853

■ 35.4731, 0.3355,
0.3626

■ 36.5293, 0.3204,
0.3404

■ 37.6670, 0.3060,
0.3190

■ 38.8890, 0.2926,
0.2988

■ 40.1980, 0.2803,
0.2800

Harmonies

Analogous

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



31.2991, 0.4614, 0.4158



31.2991, 0.4098, 0.4647



31.2991, 0.3362, 0.4783

Triad

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



31.2991, 0.4098, 0.4647



31.2991, 0.1759, 0.2682



31.2991, 0.3536, 0.2504

Complementary

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



31.2991, 0.4098, 0.4647



7.5567, 0.1925, 0.1400

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.



31.2991, 0.2722, 0.2177



31.2991, 0.4098, 0.4647



31.2991, 0.1793, 0.2221

Square

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



31.2991, 0.4098, 0.4647



31.2991, 0.2030, 0.3461



31.2991, 0.2116, 0.2069



31.2991, 0.4313, 0.2994

Rectangle

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



31.2991, 0.4098, 0.4647



31.2991, 0.2845, 0.4542



31.2991, 0.2116, 0.2069



31.2991, 0.3253, 0.2374

Sweetspot

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



31.3006, 0.4098, 0.4647



63.4751, 0.3435, 0.3742



11.2276, 0.4990, 0.3147



13.7749, 0.3477, 0.3802



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



31.3006, 0.4098, 0.4647



55.2058, 0.4243, 0.4815



30.9195, 0.3563, 0.5026



8.1238, 0.3264, 0.3492



22.4994, 0.4363, 0.4918



0.5033, 0.4295, 0.4972

Inverse Universe

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



7.5567, 0.1925, 0.1400



8.9946, 0.1701, 0.1013



8.2995, 0.2321, 0.1438



6.9613, 0.2987, 0.3080



2.3573, 0.1522, 0.0678



0.0793, 0.1616, 0.1017

Previews

White Background



This preview shows how the Yxy color 31.2991, 0.4098, 0.4647 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 31.2991, 0.4098, 0.4647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

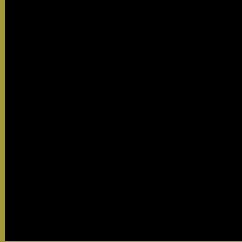
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2991, 0.4098, 0.4647

Background



This preview shows how black text looks on a background with the Yxy color 31.2991, 0.4098, 0.4647.



This preview shows how white text looks on a background with the Yxy color 31.2991, 0.4098, 0.4647.

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

31.2991, 0.4098, 0.4647

Protanopia

31.2880, 0.4189, 0.4595

Deuteranopia

31.0916, 0.4446, 0.4350



Tritanopia

31.1973, 0.3325, 0.3132

Trichromacy



Original Color

31.2991, 0.4098, 0.4647

Protanomaly

31.3928, 0.4157, 0.4619

Deuteranomaly

31.1989, 0.4316, 0.4459

Tritanomaly

31.0578, 0.3657, 0.3724

Monochromacy



Original Color

31.2991, 0.4098, 0.4647

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.4821, 0.3515, 0.3849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2991, 0.4098, 0.4647 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(164, 154, 57)` looks like.

```
.text, #text, p{  
    color:rgb(164, 154, 57)  
}
```

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(164, 154, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 154, 57) }
```

Border

The CSS property to change the border of an element to Yxy 31.2991, 0.4098, 0.4647 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(164, 154, 57) }
```

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

```
.border{ border-color:rgb(164, 154, 57) }
```

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

Here you see how a box with a 4 pixel rgb(164, 154, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 154, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 154, 57);  
box-shadow:4px 4px 4px 4px rgb(164, 154,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2991, 0.4098, 0.4647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 154, 57) }
```

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

```
.background{ background-color: rgb(164,  
154, 57) }
```

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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