

Converting Colors

$Yxy(31.5637, 0.4052, 0.4423)$

Have a look what the booklet for
Yxy(31.5637, 0.4052, 0.4423)
contains.

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Color

Yxy(31.6985, 0.4047, 0.4430)

Conversions

Conversions Part 1

Format	Color
Hex	A99949
RGB	169, 153, 73
RGB Percent	66%, 60%, 29%
CMY	0.3372, 0.4000, 0.7137
CMYK	0.00, 0.09, 0.57, 0.34
HSL	50°, 40%, 47%
HSV	50°, 57%, 66%
XYZ	28.9580, 31.6985, 10.8977
YIQ	148.6640, 35.2160, -21.4880

Conversions

Conversions Part 2

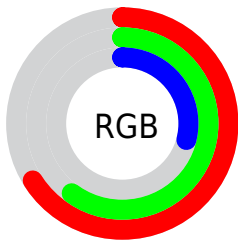
Format	Color
R_{YB}	92, 169, 73
Decimal	11114825
CIE _{Lab}	63.09, -4.47, 43.51
CIE _{LCh}	63, 43.738, 95.870
Yxy	31.6985, 0.4047, 0.4430
Android (android.graphics.Color)	4289304905 (0xFFA99949)
YUV	148.6640, -37.3024, 17.8347
Hunter-Lab	56.3014, -6.7181, 27.9348

Details

The Yxy color **31.6985, 0.4047, 0.4430** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.4308, 0.2109, 0.1787**, and the grayscale version is **30.0566, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2496, 0.3882, 0.4217**, and **13.1381, 0.4281, 0.4752** is the 20% darker color. If you saturate the color by 10%, you get **30.5935, 0.4194, 0.4580**, and if you desaturate by 10%, it is **32.8892, 0.3886, 0.4251**.

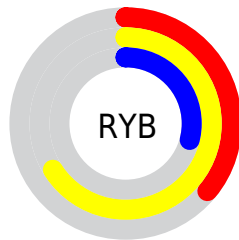
Distribution



Red (66%)

Green (60%)

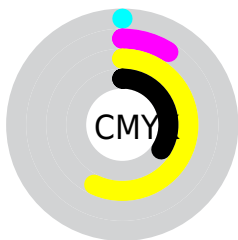
Blue (29%)



Red (36%)

Yellow (66%)

Blue (29%)

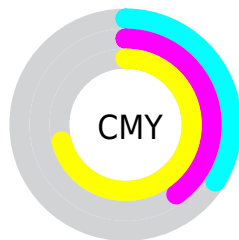


Cyan (0%)

Magenta (9%)

Yellow (57%)

Black (34%)



Cyan (34%)


Magenta (40%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6985, 0.4047, 0.4430 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 31.6985, 0.4047, 0.4430 by changing the saturation by 10% instead.


 31.6985, 0.4047,
0.4430


 31.6985, 0.4047,
0.4430


309.7435, 0.3584,
0.3841


 21.1313, 0.4154,
0.4573


 62.3381, 0.3883,
0.4216

 13.2200, 0.4279,
0.4748


 83.1794, 0.3819,
0.4135


 7.5802, 0.4421,
0.4959


 108.2141, 0.3765,
0.4067

 3.8275, 0.4672,
0.5328

 137.8267, 0.3719,
0.4008

 1.5776, 0.4601,
0.5399

 172.4015, 0.3678,
0.3958

 0.3424, 0.3871,
0.6129

212.3230, 0.3643,

 0.0000, 0.0000,

0.3914

0.0000

257.9755, 0.3612,
0.3875

■ 31.6985, 0.4047,
0.4430

■ 31.6985, 0.4047,
0.4430

■ 30.5935, 0.4194,
0.4580

■ 32.8892, 0.3886,
0.4251

■ 29.5646, 0.4321,
0.4693

■ 34.1657, 0.3718,
0.4052

■ 28.6072, 0.4423,
0.4762

■ 35.5338, 0.3549,
0.3844

■ 27.7125, 0.4497,
0.4789

■ 36.9974, 0.3385,
0.3633

■ 27.4339, 0.4519,
0.4794

■ 38.5600, 0.3228,
0.3426

■ 40.2251, 0.3081,
0.3228

■ 41.9959, 0.2946,
0.3040

■ 43.8755, 0.2823,
0.2866

■ 45.8666, 0.2710,
0.2705

Harmonies

Analogous

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



31.6985, 0.4444, 0.4011



31.6985, 0.4047, 0.4430



31.6985, 0.3428, 0.4560

Triad

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



31.6985, 0.4047, 0.4430



31.6985, 0.1949, 0.2850



31.6985, 0.3397, 0.2564

Complementary

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



31.6985, 0.4047, 0.4430



11.4308, 0.2109, 0.1787

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.



31.6985, 0.2710, 0.2294



31.6985, 0.4047, 0.4430



31.6985, 0.1943, 0.2403

Square

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



31.6985, 0.4047, 0.4430



31.6985, 0.2229, 0.3533



31.6985, 0.2203, 0.2229



31.6985, 0.4071, 0.2987

Rectangle

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



31.6985, 0.4047, 0.4430



31.6985, 0.2978, 0.4388



31.6985, 0.2203, 0.2229



31.6985, 0.3157, 0.2454

Sweetspot

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



31.7000, 0.4047, 0.4430



66.1149, 0.3393, 0.3643



13.9518, 0.4484, 0.3034



14.2991, 0.3423, 0.3683



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.



31.7000, 0.4047, 0.4430



54.3264, 0.4227, 0.4611



34.3164, 0.3615, 0.4776



8.5577, 0.3266, 0.3477



20.5107, 0.4515, 0.4797



0.5538, 0.4393, 0.4894

Inverse Universe

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



11.4308, 0.2109, 0.1787



14.6316, 0.1887, 0.1419



10.5401, 0.2354, 0.1634



7.4953, 0.2986, 0.3096



2.8160, 0.1547, 0.0767



0.1258, 0.1687, 0.1272

Previews

White Background



This preview shows how the Yxy color 31.6985, 0.4047, 0.4430 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 31.6985, 0.4047, 0.4430 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 31.6985, 0.4047, 0.4430

Background



This preview shows how black text looks on a background with the Yxy color 31.6985, 0.4047, 0.4430.



This preview shows how white text looks on a background with the Yxy color 31.6985, 0.4047, 0.4430.

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

31.6985, 0.4047, 0.4430

Protanopia

31.6985, 0.4047, 0.4430

Deuteranopia

31.4502, 0.4307, 0.4215



Tritanopia

31.6602, 0.3368, 0.3134

Trichromacy



Original Color

31.6985, 0.4047, 0.4430

Protanomaly

31.6985, 0.4047, 0.4430

Deuteranomaly

31.4980, 0.4212, 0.4297

Tritanomaly

31.3468, 0.3643, 0.3614

Monochromacy



Original Color

31.6985, 0.4047, 0.4430

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.2611, 0.3475, 0.3746

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6985, 0.4047, 0.4430 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, 153, 73)` looks like.

```
.text, #text, p{  
    color:rgb(169, 153, 73)  
}
```

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, 153, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 153, 73) }
```

Border

The CSS property to change the border of an element to Yxy 31.6985, 0.4047, 0.4430 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, 153, 73) }
```

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

```
.border{ border-color:rgb(169, 153, 73) }
```

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

Here you see how a box with a 4 pixel rgb(169, 153, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 153, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 153, 73);  
box-shadow:4px 4px 4px 4px rgb(169, 153,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6985, 0.4047, 0.4430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 153, 73) }
```

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

```
.background{ background-color: rgb(169,  
153, 73) }
```

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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