

Converting Colors

Yxy(31.6760, 0.4108, 0.4820)

Have a look what the booklet for
Yxy(31.6760, 0.4108, 0.4820)
contains.

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Color

Yxy(31.7694, 0.4100, 0.4823)

Conversions

Conversions Part 1

Format	Color
Hex	A09D2C
RGB	160, 157, 44
RGB Percent	63%, 62%, 17%
CMY	0.3726, 0.3843, 0.8273
CMYK	0.00, 0.02, 0.72, 0.37
HSL	58°, 57%, 40%
HSV	58°, 72%, 63%
XYZ	27.0070, 31.7694, 7.0943
YIQ	145.0150, 38.0610, -34.5070

Conversions

Conversions Part 2

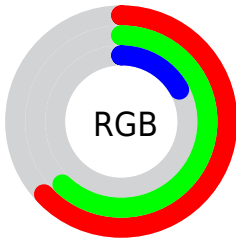
Format	Color
R _Y B	47, 160, 44
Decimal	10525996
CIE Lab	63.15, -12.46, 55.99
CIE LCh	63, 57.360, 102.546
Yxy	31.7694, 0.4100, 0.4823
Android (android.graphics.Color)	4288716076 (0xFFA09D2C)
YUV	145.0150, -49.8004, 13.1418
Hunter-Lab	56.3644, -13.1094, 31.9925

Details

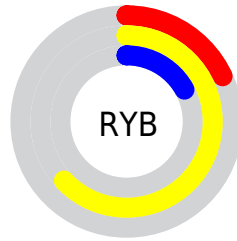
The Yxy color **31.7694, 0.4100, 0.4823** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.1073, 0.1776, 0.1080**, and the grayscale version is **28.5178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2221, 0.3949, 0.4540**, and **13.3113, 0.4178, 0.5065** is the 20% darker color. If you saturate the color by 10%, you get **31.5341, 0.4170, 0.4927**, and if you desaturate by 10%, it is **32.0545, 0.4005, 0.4679**.

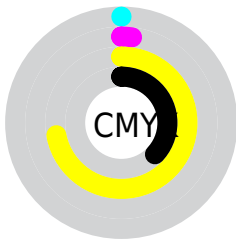
Distribution



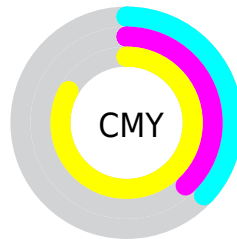
- Red (63%)
- Green (62%)
- Blue (17%)



- Red (18%)
- Yellow (63%)
- Blue (17%)



- Cyan (0%)
- Magenta (2%)
- Yellow (72%)
- Black (37%)




- Cyan (37%)
- Magenta (38%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7694, 0.4100, 0.4823 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 31.7694, 0.4100, 0.4823 by changing the saturation by 10% instead.

 31.7694, 0.4100,
0.4823


 31.7694, 0.4100,
0.4823


310.0675, 0.3644,
0.4037


 21.1854, 0.4184,
0.5003


 62.4494, 0.3952,
0.4544


 13.2596, 0.4265,
0.5215


 83.3142, 0.3890,
0.4436

 7.6076, 0.4395,
0.5546


 108.3748, 0.3835,
0.4344

 3.8449, 0.4302,
0.5698

 138.0155, 0.3787,
0.4265

 1.5872, 0.4100,
0.5900

 172.6207, 0.3745,
0.4196

 0.3489, 0.0730,
0.9270

 212.5748, 0.3707,

 0.0000, 0.0000,

0.4136

0.0000

258.2623, 0.3674,
0.4084

■ 31.7694, 0.4100,
0.4823

■ 31.7694, 0.4100,
0.4823

■ 31.5341, 0.4170,
0.4927

■ 32.0545, 0.4005,
0.4679

■ 31.3385, 0.4215,
0.4989

■ 32.3898, 0.3888,
0.4498

■ 31.2082, 0.4238,
0.5017

■ 32.7809, 0.3755,
0.4289

■ 33.2315, 0.3610,
0.4061

■ 33.7452, 0.3460,
0.3823

■ 34.3250, 0.3310,
0.3583

■ 34.9738, 0.3163,
0.3347

■ 35.6946, 0.3022,
0.3121

■ 36.4898, 0.2890,
0.2908

Harmonies

Analogous

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



31.7694, 0.4717, 0.4281



31.7694, 0.4100, 0.4823



31.7694, 0.3276, 0.4951

Triad

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



31.7694, 0.4100, 0.4823



31.7694, 0.1620, 0.2535



31.7694, 0.3676, 0.2475

Complementary

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



31.7694, 0.4100, 0.4823



5.1073, 0.1776, 0.1080

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.



31.7694, 0.2759, 0.2101



31.7694, 0.4100, 0.4823



31.7694, 0.1693, 0.2080

Square

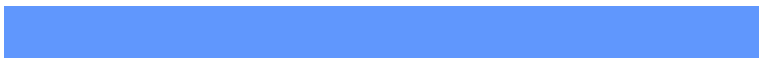
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



31.7694, 0.4100, 0.4823



31.7694, 0.1869, 0.3367



31.7694, 0.2070, 0.1956



31.7694, 0.4521, 0.3015

Rectangle

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



31.7694, 0.4100, 0.4823



31.7694, 0.2715, 0.4638



31.7694, 0.2070, 0.1956



31.7694, 0.3359, 0.2328

Sweetspot

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



31.7709, 0.4100, 0.4823



61.2902, 0.3459, 0.3822



9.4882, 0.5456, 0.3250



13.3880, 0.3497, 0.3882



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



31.7709, 0.4100, 0.4823



57.0410, 0.4201, 0.4970



28.3746, 0.3497, 0.5236



7.6911, 0.3261, 0.3506



24.3263, 0.4238, 0.5017



0.4431, 0.4218, 0.5033

Inverse Universe

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



5.1073, 0.1776, 0.1080



5.8690, 0.1577, 0.0741



6.9458, 0.2312, 0.1306



6.4612, 0.2987, 0.3065



2.0567, 0.1506, 0.0622



0.0439, 0.1535, 0.0727

Previews

White Background



This preview shows how the Yxy color 31.7694, 0.4100, 0.4823 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 31.7694, 0.4100, 0.4823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

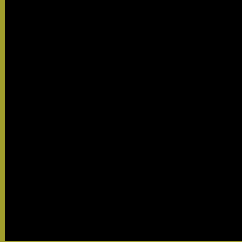
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7694, 0.4100, 0.4823

Background



This preview shows how black text looks on a background with the Yxy color 31.7694, 0.4100, 0.4823.



This preview shows how white text looks on a background with the Yxy color 31.7694, 0.4100, 0.4823.

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

31.7694, 0.4100, 0.4823

Protanopia

31.6148, 0.4265, 0.4710

Deuteranopia

31.5489, 0.4529, 0.4443



Tritanopia

31.8821, 0.3259, 0.3131

Trichromacy



Original Color

31.7694, 0.4100, 0.4823

Protanomaly

31.5011, 0.4211, 0.4750

Deuteranomaly

31.4034, 0.4382, 0.4574

Tritanomaly

31.5246, 0.3621, 0.3805

Monochromacy



Original Color

31.7694, 0.4100, 0.4823

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.0616, 0.3541, 0.3953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7694, 0.4100, 0.4823 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(160, 157, 44)` looks like.

```
.text, #text, p{  
    color:rgb(160, 157, 44)  
}
```

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(160, 157, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 157, 44) }
```

Border

The CSS property to change the border of an element to Yxy 31.7694, 0.4100, 0.4823 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(160, 157, 44) }
```

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

```
.border{ border-color:rgb(160, 157, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 157, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 157, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 157, 44);  
box-shadow:4px 4px 4px 4px rgb(160, 157,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7694, 0.4100, 0.4823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 157, 44) }
```

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

```
.background{ background-color: rgb(160,  
157, 44) }
```

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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