

Converting Colors

$Y_{xy}(32.0225, 0.4376, 0.4116)$

Have a look what the booklet for
Yxy(32.0225, 0.4376, 0.4116)
contains.

Yxy(31.9452, 0.4375, 0.4111)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.9452, 0.4375, 0.4111)

Conversions

Conversions Part 1

Format	Color
Hex	C48F4F
RGB	196, 143, 79
RGB Percent	77%, 56%, 31%
CMY	0.2314, 0.4392, 0.6903
CMYK	0.00, 0.27, 0.60, 0.23
HSL	33°, 50%, 54%
HSV	33°, 60%, 77%
XYZ	33.9967, 31.9452, 11.7648
YIQ	151.5510, 52.1320, -8.6680

Conversions

Conversions Part 2

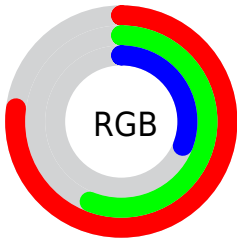
Format	Color
RYB	176, 196, 79
Decimal	12881743
CIELab	63.30, 13.12, 41.46
CIElCh	63, 43.489, 72.435
Yxy	31.9452, 0.4375, 0.4111
Android (android.graphics.Color)	4291071823 (0xFFC48F4F)
YUV	151.5510, -35.7676, 38.9818
Hunter-Lab	56.5201, 8.4570, 27.2227

Details

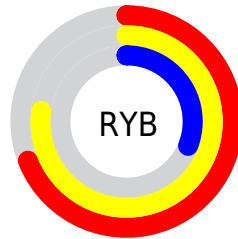
The Yxy color **31.9452, 0.4375, 0.4111** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **22.1357, 0.2166, 0.2238**, and the grayscale version is **31.3355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.8042, 0.4133, 0.3979**, and **13.4114, 0.4736, 0.4292** is the 20% darker color. If you saturate the color by 10%, you get **29.1423, 0.4628, 0.4201**, and if you desaturate by 10%, it is **35.0462, 0.4123, 0.3991**.

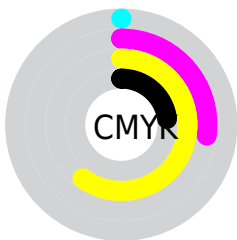
Distribution



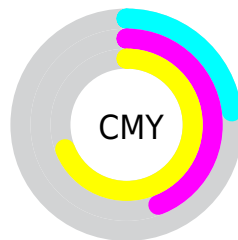
- Red (77%)
- Green (56%)
- Blue (31%)



- Red (69%)
- Yellow (77%)
- Blue (31%)



- Cyan (0%)
- Magenta (27%)
- Yellow (60%)
- Black (23%)




- Cyan (23%)
- Magenta (44%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9452, 0.4375, 0.4111 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 31.9452, 0.4375, 0.4111 by changing the saturation by 10% instead.


 31.9452, 0.4375,
0.4111


 31.9452, 0.4375,
0.4111


310.8695, 0.3727,
0.3717

 21.3196, 0.4535,
0.4194


 62.7252, 0.4138,
0.3977


 13.3579, 0.4734,
0.4286


 83.6484, 0.4050,
0.3923


 7.6754, 0.4981,
0.4378


 108.7729, 0.3974,
0.3877

 3.8880, 0.5432,
0.4568

 138.4832, 0.3910,
0.3837

 1.6111, 0.5612,
0.4388

 173.1636, 0.3855,
0.3801

 0.3651, 0.6464,
0.3536

213.1985, 0.3807,

 0.0000, 0.0000,

0.3770

0.0000

258.9724, 0.3764,
0.3742

■ 31.9452, 0.4375,
0.4111

■ 31.9452, 0.4375,
0.4111

■ 29.1423, 0.4628,
0.4201

■ 35.0462, 0.4123,
0.3991

■ 26.6202, 0.4870,
0.4249

■ 38.4518, 0.3884,
0.3854

■ 24.3665, 0.5085,
0.4246

■ 42.1744, 0.3662,
0.3709

■ 22.3592, 0.5269,
0.4196

■ 46.2238, 0.3461,
0.3563

■ 22.3039, 0.5274,
0.4194

■ 50.6093, 0.3281,
0.3421

■ 55.3399, 0.3123,
0.3286

■ 60.4242, 0.2983,
0.3160

■ 65.8703, 0.2861,
0.3044

■ 71.6628, 0.2756,
0.2940

Harmonies

Analogous

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



31.9452, 0.4489, 0.3608



31.9452, 0.4375, 0.4111



31.9452, 0.3919, 0.4482

Triad

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



31.9452, 0.4375, 0.4111



31.9452, 0.2152, 0.3371



31.9452, 0.2852, 0.2344

Complementary

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



31.9452, 0.4375, 0.4111



22.1357, 0.2166, 0.2238

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.



31.9452, 0.2300, 0.2231



31.9452, 0.4375, 0.4111



31.9452, 0.1933, 0.2734

Square

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



31.9452, 0.4375, 0.4111



31.9452, 0.2633, 0.4083



31.9452, 0.1986, 0.2350



31.9452, 0.3551, 0.2650

Rectangle

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



31.9452, 0.4375, 0.4111



31.9452, 0.3503, 0.4556



31.9452, 0.1986, 0.2350



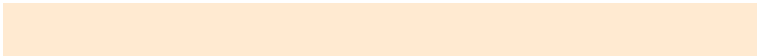
31.9452, 0.2645, 0.2283

Sweetspot

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



31.9468, 0.4375, 0.4111



84.8385, 0.3434, 0.3542



19.0318, 0.4066, 0.2594



17.6759, 0.3490, 0.3585



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



31.9468, 0.4375, 0.4111



51.1771, 0.4713, 0.4223



51.2599, 0.3930, 0.4694



10.9709, 0.3276, 0.3416



14.5062, 0.5255, 0.4209



0.7630, 0.4957, 0.4446

Inverse Universe

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



22.1357, 0.2166, 0.2238



31.8601, 0.1980, 0.1952



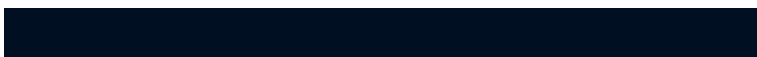
11.4055, 0.2007, 0.1403



10.4823, 0.2984, 0.3161



7.2913, 0.1734, 0.1442



0.4525, 0.1854, 0.1875

Previews

White Background



This preview shows how the Yxy color 31.9452, 0.4375, 0.4111 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 31.9452, 0.4375, 0.4111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

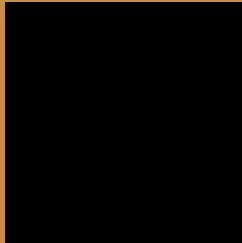
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9452, 0.4375, 0.4111

Background



This preview shows how black text looks on a background with the Yxy color 31.9452, 0.4375, 0.4111.



This preview shows how white text looks on a background with the Yxy color 31.9452, 0.4375, 0.4111.

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

31.9452, 0.4375, 0.4111

Protanopia

32.1708, 0.3957, 0.4319

Deuteranopia

31.9266, 0.4283, 0.4189



Tritanopia

31.8208, 0.3753, 0.3148

Trichromacy



Original Color

31.9452, 0.4375, 0.4111

Protanomaly

32.0056, 0.4106, 0.4236

Deuteranomaly

32.0073, 0.4323, 0.4163

Tritanomaly

31.7242, 0.3995, 0.3505

Monochromacy



Original Color

31.9452, 0.4375, 0.4111

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.3004, 0.3569, 0.3651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9452, 0.4375, 0.4111 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(196, 143, 79)` looks like.

```
.text, #text, p{  
    color:rgb(196, 143, 79)  
}
```

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(196, 143, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 143, 79) }
```

Border

The CSS property to change the border of an element to Yxy 31.9452, 0.4375, 0.4111 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(196, 143, 79) }
```

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

```
.border{ border-color:rgb(196, 143, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 143, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 143, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 143, 79);  
box-shadow:4px 4px 4px 4px rgb(196, 143,  
79) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 31.9452, 0.4375, 0.4111$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 143, 79) }
```

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

```
.background{ background-color: rgb(196,  
143, 79) }
```

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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