

Converting Colors

$Yxy(31.7501, 0.3970, 0.4391)$

Have a look what the booklet for
Yxy(31.7501, 0.3970, 0.4391)
contains.

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Color

Yxy(31.7683, 0.3966, 0.4397)

Conversions

Conversions Part 1

Format	Color
Hex	A69A4E
RGB	166, 154, 78
RGB Percent	65%, 60%, 31%
CMY	0.3491, 0.3960, 0.6942
CMYK	0.00, 0.07, 0.53, 0.35
HSL	52°, 36%, 48%
HSV	52°, 53%, 65%
XYZ	28.6543, 31.7683, 11.8273
YIQ	148.9240, 31.5480, -21.0920

Conversions

Conversions Part 2

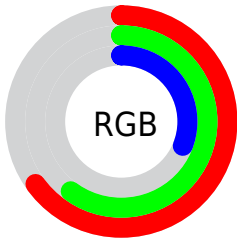
Format	Color
R_{YB}	92, 166, 78
Decimal	10918478
CIE Lab	63.15, -5.90, 41.04
CIE LCh	63, 41.462, 98.186
Yxy	31.7683, 0.3966, 0.4397
Android (android.graphics.Color)	4289108558 (0xFFA69A4E)
YUV	148.9240, -34.9655, 14.9757
Hunter-Lab	56.3634, -7.8891, 27.0129

Details

The Yxy color **31.7683, 0.3966, 0.4397** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.6791, 0.2172, 0.1855**, and the grayscale version is **30.1609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3847, 0.3818, 0.4183**, and **13.2339, 0.4185, 0.4712** is the 20% darker color. If you saturate the color by 10%, you get **30.8221, 0.4111, 0.4563**, and if you desaturate by 10%, it is **32.7915, 0.3809, 0.4205**.

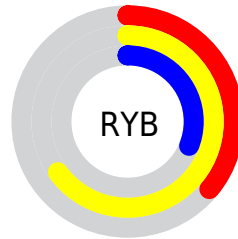
Distribution



Red (65%)

Green (60%)

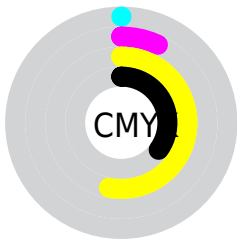
Blue (31%)



Red (36%)

Yellow (65%)

Blue (31%)

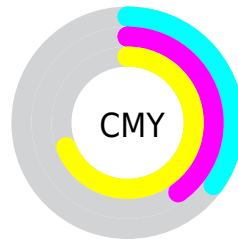


Cyan (0%)

Magenta (7%)

Yellow (53%)

Black (35%)



Cyan (35%)


Magenta (40%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7683, 0.3966, 0.4397 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 31.7683, 0.3966, 0.4397 by changing the saturation by 10% instead.


 31.7683, 0.3966,
0.4397


 31.7683, 0.3966,
0.4397


310.0624, 0.3543,
0.3819

 21.1846, 0.4065,
0.4541


 62.4477, 0.3815,
0.4185

 13.2590, 0.4182,
0.4721


 83.3121, 0.3757,
0.4106


 7.6071, 0.4317,
0.4944


 108.3723, 0.3708,
0.4039

 3.8446, 0.4607,
0.5393

 138.0125, 0.3665,
0.3982

 1.5870, 0.4514,
0.5486

 172.6173, 0.3628,
0.3933

 0.3488, 0.3495,
0.6505

212.5709, 0.3596,

 0.0000, 0.0000,

0.3890

0.0000

258.2578, 0.3568,
0.3852

■ 31.7683, 0.3966,
0.4397

■ 31.7683, 0.3966,
0.4397

■ 30.8221, 0.4111,
0.4563

■ 32.7915, 0.3809,
0.4205

■ 29.9439, 0.4236,
0.4695

■ 33.8916, 0.3645,
0.3996

■ 29.1298, 0.4337,
0.4785

■ 35.0739, 0.3482,
0.3779

■ 28.3734, 0.4412,
0.4831

■ 36.3419, 0.3323,
0.3563

■ 27.8689, 0.4453,
0.4846

■ 37.6990, 0.3171,
0.3352

■ 39.1482, 0.3029,
0.3150

■ 40.6925, 0.2898,
0.2961

■ 42.3347, 0.2778,
0.2785

■ 44.0775, 0.2669,
0.2623

Harmonies

Analogous

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



31.7683, 0.4361, 0.4019



31.7683, 0.3966, 0.4397



31.7683, 0.3369, 0.4480

Triad

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



31.7683, 0.3966, 0.4397



31.7683, 0.1993, 0.2834



31.7683, 0.3437, 0.2624

Complementary

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



31.7683, 0.3966, 0.4397



11.6791, 0.2172, 0.1855

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.



31.7683, 0.2778, 0.2352



31.7683, 0.3966, 0.4397



31.7683, 0.2007, 0.2426

Square

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



31.7683, 0.3966, 0.4397



31.7683, 0.2244, 0.3468



31.7683, 0.2276, 0.2274



31.7683, 0.4062, 0.3040

Rectangle

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



31.7683, 0.3966, 0.4397



31.7683, 0.2941, 0.4291



31.7683, 0.2276, 0.2274



31.7683, 0.3210, 0.2515

Sweetspot

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



31.7698, 0.3966, 0.4397



65.1955, 0.3374, 0.3634



14.3117, 0.4395, 0.3092



14.4875, 0.3406, 0.3676



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.



31.7698, 0.3966, 0.4397



55.5919, 0.4140, 0.4595



32.9841, 0.3562, 0.4694



8.5971, 0.3265, 0.3483



21.6647, 0.4450, 0.4849



0.5735, 0.4354, 0.4925

Inverse Universe

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



11.6791, 0.2172, 0.1855



15.1508, 0.1944, 0.1480



11.4381, 0.2453, 0.1766



7.4591, 0.2986, 0.3089



2.6399, 0.1535, 0.0725



0.1122, 0.1656, 0.1162

Previews

White Background



This preview shows how the Yxy color 31.7683, 0.3966, 0.4397 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 31.7683, 0.3966, 0.4397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

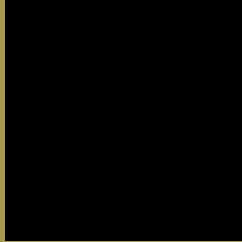
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7683, 0.3966, 0.4397

Background



This preview shows how black text looks on a background with the Yxy color 31.7683, 0.3966, 0.4397.



This preview shows how white text looks on a background with the Yxy color 31.7683, 0.3966, 0.4397.

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

31.7683, 0.3966, 0.4397

Protanopia

31.7675, 0.4007, 0.4370

Deuteranopia

31.8283, 0.4254, 0.4171



Tritanopia

31.6838, 0.3314, 0.3119

Trichromacy



Original Color

31.7683, 0.3966, 0.4397

Protanomaly

31.6574, 0.3996, 0.4375

Deuteranomaly

31.7627, 0.4151, 0.4256

Tritanomaly

31.3962, 0.3575, 0.3588

Monochromacy



Original Color

31.7683, 0.3966, 0.4397

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.5318, 0.3441, 0.3731

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7683, 0.3966, 0.4397 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(166, 154, 78)` looks like.

```
.text, #text, p{  
    color:rgb(166, 154, 78)  
}
```

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(166, 154, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 154, 78) }
```

Border

The CSS property to change the border of an element to Yxy 31.7683, 0.3966, 0.4397 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(166, 154, 78) }
```

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

```
.border{ border-color:rgb(166, 154, 78) }
```

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

Here you see how a box with a 4 pixel rgb(166, 154, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 154, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 154, 78);  
box-shadow:4px 4px 4px 4px rgb(166, 154,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7683, 0.3966, 0.4397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 154, 78) }
```

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

```
.background{ background-color: rgb(166,  
154, 78) }
```

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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