

Converting Colors

$Yxy(32.0178, 0.4063, 0.3967)$

Have a look what the booklet for
Yxy(32.0178, 0.4063, 0.3967)
contains.

Yxy(31.8787, 0.4061, 0.3955)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.8787, 0.4061, 0.3955)

Conversions

Conversions Part 1

Format	Color
Hex	BA9262
RGB	186, 146, 98
RGB Percent	73%, 57%, 38%
CMY	0.2706, 0.4274, 0.6155
CMYK	0.00, 0.21, 0.47, 0.27
HSL	33°, 39%, 56%
HSV	33°, 47%, 73%
XYZ	32.7331, 31.8787, 15.9917
YIQ	152.4880, 39.2480, -6.4480

Conversions

Conversions Part 2

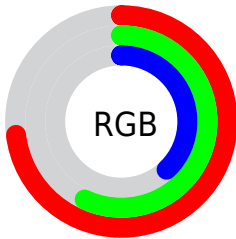
Format	Color
RYB	171, 186, 98
Decimal	12227170
CIELab	63.24, 8.91, 31.10
CIElCh	63, 32.354, 74.016
Yxy	31.8787, 0.4061, 0.3955
Android (android.graphics.Color)	4290417250 (0xFFBA9262)
YUV	152.4880, -26.8626, 29.3900
Hunter-Lab	56.4612, 4.6773, 22.7299

Details

The Yxy color **31.8787, 0.4061, 0.3955** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **24.3268, 0.2364, 0.2501**, and the grayscale version is **31.7290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7116, 0.3882, 0.3840**, and **13.4213, 0.4357, 0.4142** is the 20% darker color. If you saturate the color by 10%, you get **29.0572, 0.4310, 0.4079**, and if you desaturate by 10%, it is **34.9777, 0.3826, 0.3816**.

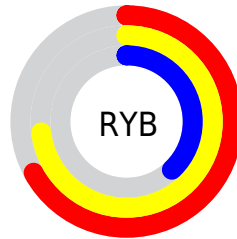
Distribution



Red (73%)

Green (57%)

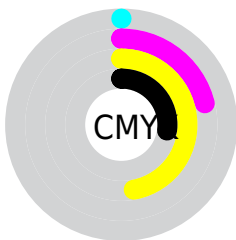
Blue (38%)



Red (67%)

Yellow (73%)

Blue (38%)

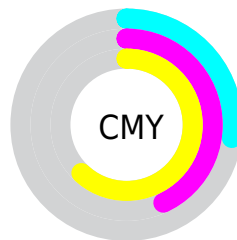


Cyan (0%)

Magenta (21%)

Yellow (47%)

Black (27%)



Cyan (27%)


Magenta (43%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8787, 0.4061, 0.3955 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 31.8787, 0.4061, 0.3955 by changing the saturation by 10% instead.


 31.8787, 0.4061,
0.3955


 31.8787, 0.4061,
0.3955


310.5663, 0.3569,
0.3620

 21.2689, 0.4189,
0.4035


 62.6209, 0.3878,
0.3835


 13.3207, 0.4354,
0.4133


 83.5220, 0.3810,
0.3789

 7.6497, 0.4571,
0.4251


 108.6224, 0.3753,
0.3750

 3.8717, 0.4883,
0.4404

 138.3064, 0.3705,
0.3717

 1.6020, 0.5384,
0.4616

172.9583, 0.3664,
0.3688

 0.3590, 0.6088,
0.3912

212.9627, 0.3628,

 0.0000, 0.0000,

0.3663

0.0000

258.7039, 0.3596,
0.3640

■ 31.8787, 0.4061,
0.3955

■ 31.8787, 0.4061,
0.3955

■ 29.0572, 0.4310,
0.4079

■ 34.9777, 0.3826,
0.3816

■ 26.4988, 0.4564,
0.4178

■ 38.3589, 0.3609,
0.3671

■ 24.1943, 0.4810,
0.4238

■ 42.0323, 0.3414,
0.3526

■ 22.1316, 0.5034,
0.4249

■ 46.0064, 0.3241,
0.3387

■ 20.2952, 0.5225,
0.4208

■ 50.2887, 0.3088,
0.3255

■ 19.8306, 0.5275,
0.4194

■ 54.8869, 0.2953,
0.3132

■ 59.8080, 0.2835,
0.3019

■ 65.0590, 0.2731,
0.2914

■ 69.9566, 0.2695,
0.2926

Harmonies

Analogous

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



31.8787, 0.4147, 0.3580



31.8787, 0.4061, 0.3955



31.8787, 0.3719, 0.4194

Triad

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



31.8787, 0.4061, 0.3955



31.8787, 0.2373, 0.3335



31.8787, 0.2954, 0.2567

Complementary

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



31.8787, 0.4061, 0.3955



24.3268, 0.2364, 0.2501

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.



31.8787, 0.2517, 0.2474



31.8787, 0.4061, 0.3955



31.8787, 0.2205, 0.2866

Square

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



31.8787, 0.4061, 0.3955



31.8787, 0.2742, 0.3841



31.8787, 0.2256, 0.2569



31.8787, 0.3477, 0.2816

Rectangle

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



31.8787, 0.4061, 0.3955



31.8787, 0.3402, 0.4215



31.8787, 0.2256, 0.2569



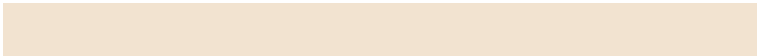
31.8787, 0.2793, 0.2516

Sweetspot

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



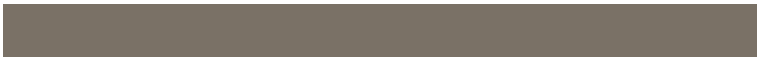
31.8802, 0.4061, 0.3955



78.3383, 0.3359, 0.3483



21.0467, 0.3788, 0.2722



16.9150, 0.3398, 0.3514



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



31.8802, 0.4061, 0.3955



52.3556, 0.4327, 0.4087



46.0717, 0.3788, 0.4440



9.8020, 0.3275, 0.3415



13.4941, 0.5257, 0.4208



0.5977, 0.4913, 0.4481

Inverse Universe

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



24.3268, 0.2364, 0.2501



36.9951, 0.2197, 0.2283



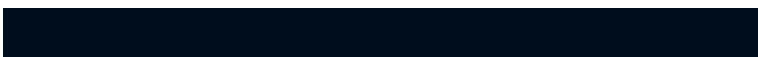
15.0517, 0.2267, 0.1835



9.3740, 0.2985, 0.3162



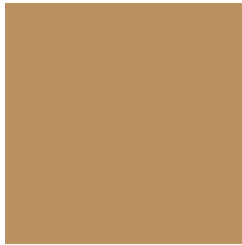
6.8554, 0.1737, 0.1452



0.3656, 0.1876, 0.1955

Previews

White Background



This preview shows how the Yxy color 31.8787, 0.4061, 0.3955 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 31.8787, 0.4061, 0.3955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

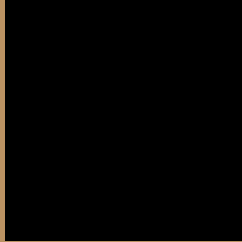
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8787, 0.4061, 0.3955

Background



This preview shows how black text looks on a background with the Yxy color 31.8787, 0.4061, 0.3955.



This preview shows how white text looks on a background with the Yxy color 31.8787, 0.4061, 0.3955.

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

31.8787, 0.4061, 0.3955

Protanopia

31.8290, 0.3768, 0.4070

Deuteranopia

32.0636, 0.4044, 0.3972



Tritanopia

31.7436, 0.3585, 0.3142

Trichromacy



Original Color

31.8787, 0.4061, 0.3955

Protanomaly

31.6170, 0.3872, 0.4022

Deuteranomaly

32.0636, 0.4044, 0.3972

Tritanomaly

31.8035, 0.3764, 0.3444

Monochromacy



Original Color

31.8787, 0.4061, 0.3955

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.3711, 0.3451, 0.3563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8787, 0.4061, 0.3955 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(186, 146, 98)` looks like.

```
.text, #text, p{  
    color:rgb(186, 146, 98)  
}
```

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(186, 146, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 146, 98) }
```

Border

The CSS property to change the border of an element to Yxy 31.8787, 0.4061, 0.3955 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(186, 146, 98) }
```

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

```
.border{ border-color:rgb(186, 146, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 146, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 146, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 146, 98);  
box-shadow:4px 4px 4px 4px rgb(186, 146,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8787, 0.4061, 0.3955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 146, 98) }
```

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

```
.background{ background-color: rgb(186,  
146, 98) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor