

Converting Colors

$Yxy(31.8510, 0.3115, 0.4105)$

Have a look what the booklet for
Yxy(31.8510, 0.3115, 0.4105)
contains.

Yxy(31.7572, 0.3107, 0.4096)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.7572, 0.3107, 0.4096)

Conversions

Conversions Part 1

Format	Color
Hex	77A475
RGB	119, 164, 117
RGB Percent	47%, 64%, 46%
CMY	0.5335, 0.3568, 0.5412
CMYK	0.27, 0.00, 0.29, 0.36
HSL	117°, 21%, 55%
HSV	117°, 29%, 64%
XYZ	24.0893, 31.7572, 21.6858
YIQ	145.1870, -11.7330, -24.1570

Conversions

Conversions Part 2

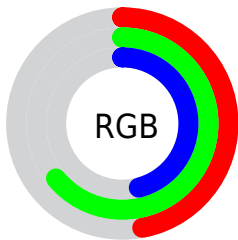
Format	Color
RYB	117, 164, 162
Decimal	7840885
CIELab	63.14, -24.71, 19.65
CIElCh	63, 31.571, 141.500
Yxy	31.7572, 0.3107, 0.4096
Android (android.graphics.Color)	4286030965 (0xFF77A475)
YUV	145.1870, -13.8962, -22.9660
Hunter-Lab	56.3535, -22.3158, 16.6317

Details

The Yxy color **31.7572, 0.3107, 0.4096** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.0865, 0.3137, 0.2589**, and the grayscale version is **28.4535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2983, 0.3118, 0.3924**, and **13.2709, 0.3087, 0.4408** is the 20% darker color. If you saturate the color by 10%, you get **30.3850, 0.3096, 0.4432**, and if you desaturate by 10%, it is **33.3835, 0.3116, 0.3785**.

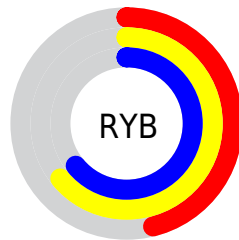
Distribution



Red (47%)

Green (64%)

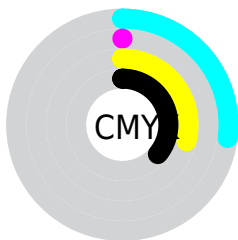
Blue (46%)



Red (46%)

Yellow (64%)

Blue (64%)

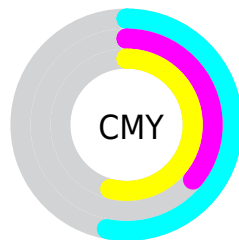


Cyan (27%)

Magenta (0%)

Yellow (29%)

Black (36%)



Cyan (53%)


Magenta (36%)

Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7572, 0.3107, 0.4096 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 31.7572, 0.3107, 0.4096 by changing the saturation by 10% instead.

 31.7572, 0.3107,
0.4096


 31.7572, 0.3107,
0.4096


310.0117, 0.3128,
0.3649

 21.1761, 0.3097,
0.4224


 62.4303, 0.3118,
0.3922

 13.2528, 0.3080,
0.4400


 83.2910, 0.3121,
0.3860

 7.6029, 0.3049,
0.4655


 108.3471, 0.3123,
0.3809

 3.8419, 0.2987,
0.5054

137.9830, 0.3124,
0.3767

 1.5855, 0.3028,
0.6157

172.5830, 0.3126,
0.3731

 0.3478, 0.0000,
1.0000

212.5315, 0.3127,

 0.0000, 0.0000,

0.3700

0.0000

258.2130, 0.3127,
0.3673

■ 31.7572, 0.3107,
0.4096

■ 31.7572, 0.3107,
0.4096

■ 30.3850, 0.3096,
0.4432

■ 33.3835, 0.3116,
0.3785

■ 29.2503, 0.3083,
0.4780

■ 35.2715, 0.3123,
0.3506

■ 28.3408, 0.3068,
0.5123


■ 37.4336, 0.3128,
0.3259

■ 27.6416, 0.3052,
0.5435


■ 39.8800, 0.3132,
0.3044


■ 27.1356, 0.3036,
0.5692


■ 42.6205, 0.3134,
0.2857

 26.8036, 0.3021,
0.5874

 45.6646, 0.3136,
0.2697

 26.6180, 0.3011,
0.5980

 49.0210, 0.3137,
0.2558

 26.5998, 0.3010,
0.5992

 52.6983, 0.3138,
0.2439

 55.0354, 0.3169,
0.2403

Harmonies

Analogous

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



31.7572, 0.3596, 0.4196



31.7572, 0.3107, 0.4096



31.7572, 0.2646, 0.3713

Triad

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



31.7572, 0.3107, 0.4096



31.7572, 0.2319, 0.2543



31.7572, 0.3989, 0.3276

Complementary

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



31.7572, 0.3107, 0.4096



23.0865, 0.3137, 0.2589

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.



31.7572, 0.3593, 0.2907



31.7572, 0.3107, 0.4096



31.7572, 0.2623, 0.2497

Square

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



31.7572, 0.3107, 0.4096



31.7572, 0.2216, 0.2786



31.7572, 0.3083, 0.2630



31.7572, 0.4130, 0.3673

Rectangle

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



31.7572, 0.3107, 0.4096



31.7572, 0.2413, 0.3377



31.7572, 0.3083, 0.2630



31.7572, 0.3880, 0.3146

Sweetspot

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



31.7585, 0.3107, 0.4096



63.8306, 0.3122, 0.3519



34.8994, 0.3559, 0.3957



13.8449, 0.3121, 0.3556



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



31.7585, 0.3107, 0.4096



56.0962, 0.3101, 0.4294



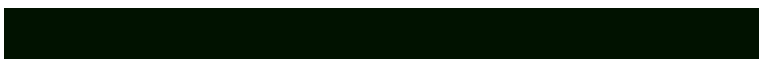
32.1758, 0.2919, 0.3725



7.9085, 0.3122, 0.3522



20.3972, 0.3012, 0.5991



0.4326, 0.3068, 0.5946

Inverse Universe

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



23.0865, 0.3137, 0.2589



37.8957, 0.3138, 0.2444



22.5925, 0.3408, 0.2893



7.1870, 0.3131, 0.3068



7.5664, 0.3107, 0.1485



0.1633, 0.3146, 0.1507

Previews

White Background



This preview shows how the Yxy color 31.7572, 0.3107, 0.4096 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 31.7572, 0.3107, 0.4096 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 31.7572, 0.3107, 0.4096

Background



This preview shows how black text looks on a background with the Yxy color 31.7572, 0.3107, 0.4096.



This preview shows how white text looks on a background with the Yxy color 31.7572, 0.3107, 0.4096.

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

31.7572, 0.3107, 0.4096

Protanopia

31.5188, 0.3644, 0.3899

Deuteranopia

31.4032, 0.3733, 0.3654



Tritanopia

31.6054, 0.2754, 0.3085

Trichromacy



Original Color

31.7572, 0.3107, 0.4096

Protanomaly

31.2877, 0.3437, 0.3963

Deuteranomaly

31.3066, 0.3486, 0.3804

Tritanomaly

31.7360, 0.2882, 0.3436

Monochromacy



Original Color

31.7572, 0.3107, 0.4096

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.4400, 0.3124, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7572, 0.3107, 0.4096 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(119, 164, 117)` looks like.

```
.text, #text, p{  
    color:rgb(119, 164, 117)  
}
```

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(119, 164, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 164, 117) }
```

Border

The CSS property to change the border of an element to Yxy 31.7572, 0.3107, 0.4096 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(119, 164, 117) }
```

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

```
.border{ border-color:rgb(119, 164, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 164, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 164, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 164, 117);  
box-shadow:4px 4px 4px 4px rgb(119, 164,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7572, 0.3107, 0.4096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 164, 117) }
```

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

```
.background{ background-color: rgb(119,  
164, 117) }
```

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