

Converting Colors

$Yxy(31.7858, 0.4996, 0.4415)$

Have a look what the booklet for
Yxy(31.7858, 0.4996, 0.4415)
contains.

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Color

Yxy(31.8884, 0.4997, 0.4414)

Conversions

Conversions Part 1

Format	Color
Hex	D48900
RGB	212, 137, 0
RGB Percent	83%, 54%, 0%
CMY	0.1686, 0.4627, 0.9996
CMYK	0.00, 0.35, 1.00, 0.17
HSL	39°, 100%, 42%
HSV	39°, 100%, 83%
XYZ	36.1002, 31.8884, 4.2552
YIQ	143.8070, 88.6770, -26.7070

Conversions

Conversions Part 2

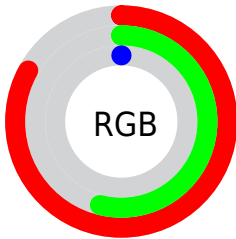
Format	Color
RYB	116, 212, 0
Decimal	13928704
CIELab	63.25, 20.50, 68.77
CIELCh	63, 71.759, 73.399
Yxy	31.8884, 0.4997, 0.4414
Android (android.graphics.Color)	4292118784 (0xFFD48900)
YUV	143.8070, -70.8969, 59.8053
Hunter-Lab	56.4698, 15.2899, 35.0612

Details

The Yxy color **31.8884, 0.4997, 0.4414** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **9.8033, 0.1644, 0.1119**, and the grayscale version is **28.0781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5548, 0.4552, 0.4383**, and **13.3957, 0.5166, 0.4280** is the 20% darker color. If you saturate the color by 10%, you get **31.8790, 0.4998, 0.4414**, and if you desaturate by 10%, it is **34.1536, 0.4859, 0.4444**.

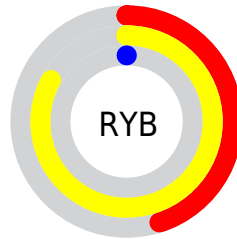
Distribution



Red (83%)

Green (54%)

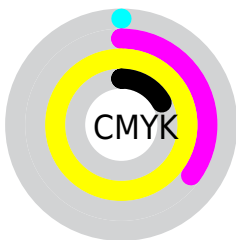
Blue (0%)



Red (45%)

Yellow (83%)

Blue (0%)

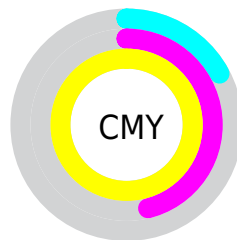


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (17%)



Cyan (17%)


Magenta (46%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8884, 0.4997, 0.4414 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 31.8884, 0.4997, 0.4414 by changing the saturation by 10% instead.


 31.8884, 0.4997,
0.4414


 31.8884, 0.4997,
0.4414


310.6106, 0.4100,
0.3970

 21.2763, 0.5172,
0.4458


 62.6361, 0.4701,
0.4298

 13.3261, 0.5376,
0.4487


 83.5405, 0.4579,
0.4239

 7.6535, 0.5562,
0.4438


 108.6443, 0.4472,
0.4185

 3.8740, 0.5726,
0.4274

 138.3322, 0.4379,
0.4134

 1.6033, 0.5990,
0.4010

 172.9883, 0.4296,
0.4087

 0.3599, 0.7007,
0.2993

 212.9971, 0.4223,

 0.0000, 0.0000,


0.4044


0.0000

 258.7431, 0.4158,
0.4005

 31.8884, 0.4997,
0.4414


 31.8884, 0.4997,
0.4414


 31.8790, 0.4998,
0.4414

 34.1536, 0.4859,
0.4444

 36.6291, 0.4693,
0.4429

 39.3392, 0.4498,
0.4363

 42.2978, 0.4287,
0.4255

 45.5169, 0.4069,
0.4116

■ 49.0073, 0.3854,
0.3956

■ 52.7789, 0.3649,
0.3787

■ 56.8409, 0.3458,
0.3616

■ 61.2020, 0.3284,
0.3449

Harmonies

Analogous

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



31.8884, 0.5312, 0.3650



31.8884, 0.4997, 0.4414



31.8884, 0.4206, 0.5139

Triad

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



31.8884, 0.4997, 0.4414



31.8884, 0.1588, 0.3316



31.8884, 0.2690, 0.1888

Complementary

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



31.8884, 0.4997, 0.4414



9.8033, 0.1644, 0.1119

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.



31.8884, 0.1873, 0.1709



31.8884, 0.4997, 0.4414



31.8884, 0.1338, 0.2314

Square

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



31.8884, 0.4997, 0.4414



31.8884, 0.2249, 0.4645



31.8884, 0.1438, 0.1822



31.8884, 0.3829, 0.2323

Rectangle

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



31.8884, 0.4997, 0.4414



31.8884, 0.3553, 0.5405



31.8884, 0.1438, 0.1822



31.8884, 0.2374, 0.1798

Sweetspot

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



31.8900, 0.4997, 0.4414



79.9370, 0.3656, 0.3793



14.5484, 0.5533, 0.2822



16.5775, 0.3742, 0.3866



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.



31.8900, 0.4997, 0.4414



48.0735, 0.5008, 0.4406



57.2537, 0.3958, 0.5239



13.7458, 0.3275, 0.3440



19.8730, 0.4983, 0.4425



1.3519, 0.4812, 0.4561

Inverse Universe

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



9.8033, 0.1644, 0.1119



14.5777, 0.1639, 0.1100



5.0084, 0.1547, 0.0626



12.7208, 0.2982, 0.3135



6.2168, 0.1651, 0.1143



0.5285, 0.1749, 0.1495

Previews

White Background



This preview shows how the Yxy color 31.8884, 0.4997, 0.4414 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 31.8884, 0.4997, 0.4414 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 31.8884, 0.4997, 0.4414

Background



This preview shows how black text looks on a background with the Yxy color 31.8884, 0.4997, 0.4414.



This preview shows how white text looks on a background with the Yxy color 31.8884, 0.4997, 0.4414.

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

31.8884, 0.4997, 0.4414

Protanopia

32.0299, 0.4374, 0.4852

Deuteranopia

32.0271, 0.4713, 0.4640



Tritanopia

31.8903, 0.4079, 0.3171

Trichromacy



Original Color

31.8884, 0.4997, 0.4414

Protanomaly

31.7665, 0.4601, 0.4693

Deuteranomaly

32.0624, 0.4819, 0.4556

Tritanomaly

31.5196, 0.4610, 0.3808

Monochromacy



Original Color

31.8884, 0.4997, 0.4414

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.2575, 0.3963, 0.4026

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8884, 0.4997, 0.4414 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(212, 137, 0)` looks like.

```
.text, #text, p{  
    color:rgb(212, 137, 0)  
}
```

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(212, 137, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 137, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.8884, 0.4997, 0.4414 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(212, 137, 0) }
```

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

```
.border{ border-color:rgb(212, 137, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 137, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 137, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 137, 0);  
box-shadow:4px 4px 4px 4px rgb(212, 137,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8884, 0.4997, 0.4414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 137, 0) }
```

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

```
.background{ background-color: rgb(212,  
137, 0) }
```

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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