

Converting Colors

XYZ(48.9858, 50.5174, 31.9802)

Have a look what the booklet for
XYZ(48.9858, 50.5174, 31.9802)
contains.

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Color

**XYZ(48.9466, 50.4403,
31.9671)**

Conversions

Conversions Part 1

Format	Color
Hex	D3B98C
RGB	211, 185, 140
RGB Percent	83%, 73%, 55%
CMY	0.1725, 0.2745, 0.4510
CMYK	0.00, 0.12, 0.34, 0.17
HSL	38°, 45%, 69%
HSV	38°, 34%, 83%
XYZ	48.9466, 50.4403, 31.9671
YIQ	187.6440, 29.9410, -8.4830

Conversions

Conversions Part 2

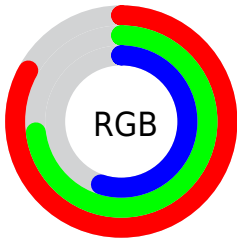
Format	Color
RYB	181, 211, 140
Decimal	13875596
CIELab	76.34, 2.76, 26.28
CIElCh	76, 26.423, 84.002
Yxy	50.4403, 0.3726, 0.3840
Android (android.graphics.Color)	4292065676 (0xFFD3B98C)
YUV	187.6440, -23.4885, 20.4832
Hunter-Lab	71.0213, -1.2684, 23.0282

Details

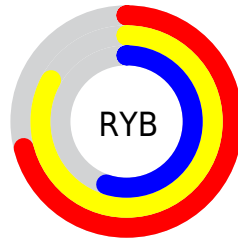
The XYZ color **48.9466, 50.4403, 31.9671** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.2090, 37.5499, 66.9676**, and the grayscale version is **47.7162, 50.2012, 54.6691**.

A 20% lighter version of the original color is **82.4329, 88.0656, 63.6926**, and **23.5720, 24.1924, 12.8784** is the 20% darker color. If you saturate the color by 10%, you get **45.9654, 46.7335, 24.0196**, and if you desaturate by 10%, it is **52.3165, 54.4467, 41.5171**.

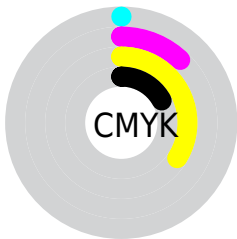
Distribution



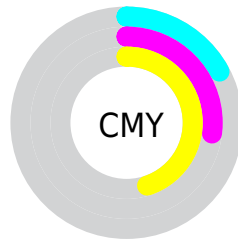
- Red (83%)
- Green (73%)
- Blue (55%)



- Red (71%)
- Yellow (83%)
- Blue (55%)



- Cyan (0%)
- Magenta (12%)
- Yellow (34%)
- Black (17%)





- Cyan (17%)
- Magenta (27%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9466, 50.4403, 31.9671 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 XYZ color 48.9466, 50.4403, 31.9671 by changing the saturation by 10% instead.


 48.9466, 50.4403,
31.9671


 48.9466, 50.4403,
31.9671


373.0525,
388.3853, 325.4575


 34.7915, 35.7634,
21.0718


 87.8133, 90.8269,
63.8568

 23.6681, 24.2515,
12.9847


 113.2557,
117.3054, 85.6883

 15.2110, 15.5203,
7.2874


 143.1911,
148.4865, 112.0022

 9.0549, 9.1853,
3.5613

177.9850,
184.7546, 143.2171

 4.8344, 4.8623,
1.3879

218.0028,
226.4941, 179.7515

 2.1842, 2.1667,
0.1323

263.6097,

 0.7344, 0.7017,

274.0895, 222.0240

0.0000

315.1712,
327.9251, 270.4532

■ 0.0000, 0.0000,
0.0000

■ 48.9466, 50.4403,
31.9671

■ 48.9466, 50.4403,
31.9671

■ 45.9654, 46.7335,
24.0196

■ 52.3165, 54.4467,
41.5171

■ 43.3507, 43.3098,
17.5810

■ 56.0885, 58.7548,
52.7500

■ 41.0834, 40.1611,
12.5526


■ 60.2797, 63.3755,
65.7442


■ 39.1409, 37.2761,
8.8225


■ 64.9052, 68.3166,
80.5725


■ 37.4974, 34.6420,
6.2618


■ 69.9791, 73.5860,
97.3036


 36.1218, 32.2440,
4.7144

 73.5902, 78.4212,
105.8659

 35.3541, 30.8291,
4.0873

 75.8049, 82.8506,
106.6042

 78.1162, 87.4733,
107.3746

 80.5255, 92.2918,
108.1777

Harmonies

Analogous

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



53.7758, 50.4403, 35.6350



48.9466, 50.4403, 31.9671



44.1620, 50.4403, 33.5362

Triad

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



48.9466, 50.4403, 31.9671



39.7377, 50.4403, 66.8122



56.0892, 50.4403, 72.6121

Complementary

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



48.9466, 50.4403, 31.9671



36.2090, 37.5499, 66.9676

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.



51.9318, 50.4403, 83.8807



48.9466, 50.4403, 31.9671



42.5461, 50.4403, 80.1481

Square

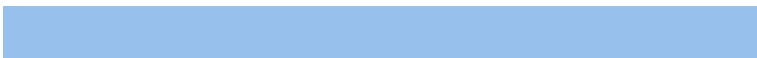
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



48.9466, 50.4403, 31.9671



39.0592, 50.4403, 52.1129



46.9512, 50.4403, 86.8526



58.0787, 50.4403, 57.8280

Rectangle

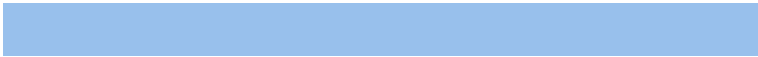
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.9466, 50.4403, 31.9671



41.6101, 50.4403, 37.5058



46.9512, 50.4403, 86.8526



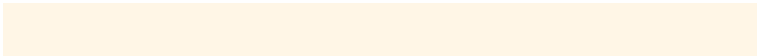
54.8857, 50.4403, 77.0325

Sweetspot

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



48.9479, 50.4426, 31.9681



88.3063, 92.6522, 87.7247



43.1285, 35.3600, 40.6450



18.7099, 19.6189, 18.1884



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



48.9479, 50.4426, 31.9681



71.9717, 73.5238, 40.5352



52.2592, 60.9738, 33.8263



12.4244, 13.0394, 12.4741



21.4368, 18.8066, 2.5002



1.2728, 1.2000, 0.1645

Inverse Universe

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



36.2090, 37.5499, 66.9676



49.6752, 50.9690, 101.8276



33.6162, 29.8935, 65.6264



11.5130, 12.1163, 14.9755



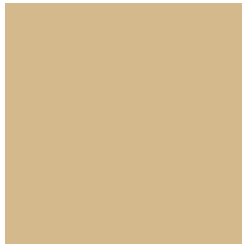
8.7979, 6.2424, 37.9337



0.5667, 0.4986, 2.1459

Previews

White Background



This preview shows how the XYZ color 48.9466, 50.4403, 31.9671 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 XYZ color 48.9466, 50.4403, 31.9671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

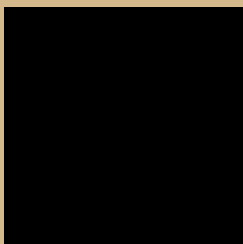
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

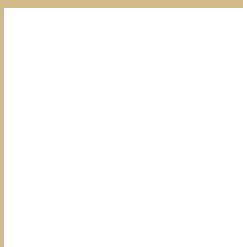
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.9466, 50.4403, 31.9671

Background



This preview shows how black text looks on a background with the XYZ color 48.9466, 50.4403, 31.9671.



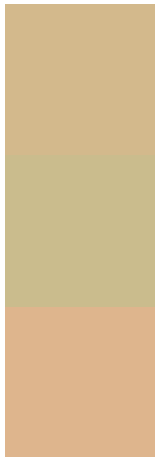
This preview shows how white text looks on a background with the XYZ color 48.9466, 50.4403,

31.9671.

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

48.9466, 50.4403, 31.9671

Protanopia

47.1481, 50.4461, 32.4514

Deuteranopia

51.4558, 50.5004, 32.2348



Tritanopia

54.0501, 50.3983, 56.7483

Trichromacy



Original Color

48.9466, 50.4403, 31.9671

Protanomaly

47.7549, 50.4429, 32.4188

Deuteranomaly

50.4491, 50.2844, 32.2462

Tritanomaly

52.0910, 50.5120, 46.5395

Monochromacy



Original Color

48.9466, 50.4403, 31.9671

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.8860, 50.2167, 45.6970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9466, 50.4403, 31.9671 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(211, 185, 140)` looks like.

```
.text, #text, p{  
    color:rgb(211, 185, 140)  
}
```

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(211, 185, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 185, 140) }
```

Border

The CSS property to change the border of an element to XYZ 48.9466, 50.4403, 31.9671 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(211, 185, 140) }
```


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

```
.border{ border-color:rgb(211, 185, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 185, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 185, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 185, 140);  
box-shadow:4px 4px 4px 4px rgb(211, 185,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9466, 50.4403, 31.9671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 185, 140) }
```

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

```
.background{ background-color: rgb(211,  
185, 140) }
```

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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