

Converting Colors

CIELCh(49, 31.320, 31.966)

Have a look what the booklet for
CIELCh(49, 31.320, 31.966) contains.

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Color

CIELCh(49, 31.254, 31.632)

Conversions

Conversions Part 1

Format	Color
Hex	A6625A
RGB	166, 98, 90
RGB Percent	65%, 38%, 35%
CMY	0.3488, 0.6155, 0.6469
CMYK	0.00, 0.41, 0.46, 0.35
HSL	6°, 30%, 50%
HSV	6°, 46%, 65%
XYZ	21.9545, 17.5941, 11.9206
YIQ	117.4200, 43.0960, 11.9280

Conversions

Conversions Part 2

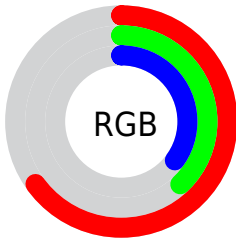
Format	Color
R_{YB}	166, 99, 90
Decimal	10904154
CIE _{Lab}	49.00, 26.61, 16.39
CIE _{LCh}	49, 31.254, 31.632
Yxy	17.5941, 0.4266, 0.3418
Android (android.graphics.Color)	4289094234 (0xFFA6625A)
YUV	117.4200, -13.5181, 42.6047
Hunter-Lab	41.9453, 20.0240, 12.5118

Details

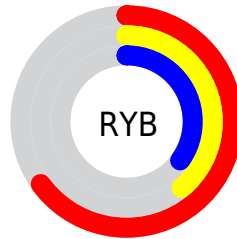
The CIELCh color **49, 31.254, 31.632** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **61, 22.210, 209.390**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 30.986, 32.155**, and **29, 31.281, 32.183** is the 20% darker color. If you saturate the color by 10%, you get **45, 39.457, 32.897**, and if you desaturate by 10%, it is **53, 23.500, 30.697**.

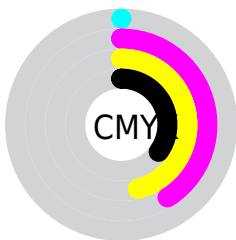
Distribution



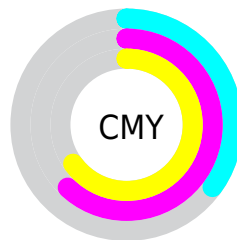
- Red (65%)
- Green (38%)
- Blue (35%)



- Red (65%)
- Yellow (39%)
- Blue (35%)



- Cyan (0%)
- Magenta (41%)
- Yellow (46%)
- Black (35%)



- Cyan (35%)
- Magenta (62%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 31.254, 31.632 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 CIELCh color 49, 31.254, 31.632 by changing the saturation by 10% instead.

■ 49, 31.254, 31.632

■ 49, 31.254, 31.632

■ 100, 31.254,
31.632

■ 39, 31.254, 31.632

■ 69, 31.254, 31.632

■ 29, 31.254, 31.632

■ 79, 31.254, 31.632

■ 19, 31.254, 31.632

■ 89, 31.254, 31.632

■ 9, 31.254, 31.632

■ 99, 31.254, 31.632

■ 0, 31.254, 31.632

■ 49, 31.254, 31.632

■ 49, 31.254, 31.632

■ 45, 39.457, 32.897

■ 53, 23.500, 30.697

■ 42, 47.980, 34.526

■ 57, 16.263, 30.016

39, 56.574, 36.506

61, 9.555, 29.529

37, 64.751, 38.641

66, 3.358, 29.126

36, 71.520, 40.390

70, 2.363, 209.286

35, 74.111, 41.309

74, 7.652, 209.044

79, 12.556,
208.987

83, 17.120,
208.993

88, 21.384,
209.042

Harmonies

Complementary

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



49, 31.254, 31.632



61, 22.210, 209.390

Rectangle

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



49, 31.254, 31.632



49, 31.254, 81.632



49, 31.254, 211.632



49, 31.254, 261.632

Sweetspot

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



49, 31.252, 31.636



79, 10.470, 29.467



49, 47.461, 329.890



41, 7.348, 29.553



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



49, 31.252, 31.636



59, 48.372, 32.932



58, 29.297, 79.412



33, 3.376, 29.276



31, 67.541, 41.105



2, 6.027, 27.668

Inverse Universe

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



61, 22.210, 209.390



77, 31.316, 209.872



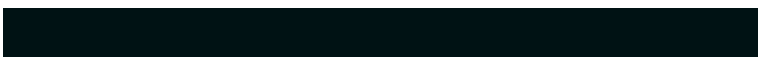
50, 27.852, 273.562



35, 3.182, 209.099



50, 29.659, 214.900



4, 5.777, 213.138

Previews

White Background



This preview shows how the CIELCh color 49, 31.254, 31.632 looks on a white 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 × Fail

Black Background



This preview shows how the CIE LCh color 49, 31.254, 31.632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

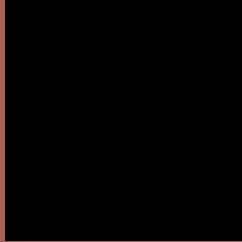
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 31.254, 31.632

Background



This preview shows how black text looks on a background with the CIELCh color 49, 31.254, 31.632.



This preview shows how white text looks on a background with the CIELCh color 49, 31.254, 31.632.

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

49, 31.254, 31.632

Protanopia

49, 10.809, 94.988

Deuteranopia

49, 18.436, 68.975



Tritanopia
49, 30.850, 16.246

Trichromacy



Original Color
49, 31.254, 31.632

Protanomaly
49, 15.321, 52.595

Deuteranomaly
49, 21.602, 49.934

Tritanomaly
49, 30.801, 22.460

Monochromacy



Original Color
49, 31.254, 31.632

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 10.794, 29.902

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 31.254, 31.632 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, 98, 90)` looks like.

```
.text, #text, p{  
    color:rgb(166, 98, 90)  
}
```

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, 98, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 98, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 31.254, 31.632 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, 98, 90) }
```

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

```
.border{ border-color:rgb(166, 98, 90) }
```

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

Here you see how a box with a 4 pixel rgb(166, 98, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 98, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 98, 90);  
box-shadow:4px 4px 4px 4px rgb(166, 98,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 31.254, 31.632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 98, 90) }
```

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

```
.background{ background-color: rgb(166, 98,  
90) }
```

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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