

Converting Colors

CIELCh(49, 37.659, 31.978)

Have a look what the booklet for
CIELCh(49, 37.659, 31.978) contains.

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Color

CIELCh(49, 37.659, 31.978)

Conversions

Conversions Part 1

Format	Color
Hex	AE5D54
RGB	174, 93, 84
RGB Percent	68%, 36%, 33%
CMY	0.3159, 0.6337, 0.6691
CMYK	0.00, 0.46, 0.52, 0.32
HSL	6°, 36%, 51%
HSV	6°, 52%, 68%
XYZ	23.1196, 17.5941, 10.6415
YIQ	116.1930, 51.1650, 14.3730

Conversions

Conversions Part 2

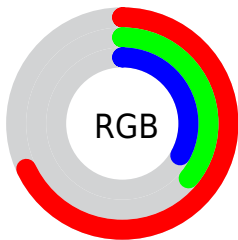
Format	Color
RYB	174, 94, 84
Decimal	11427156
CIELab	49.00, 31.94, 19.94
CIElCh	49, 37.659, 31.978
Yxy	17.5941, 0.4502, 0.3426
Android (android.graphics.Color)	4289617236 (0xFFAE5D54)
YUV	116.1930, -15.8711, 50.6967
Hunter-Lab	41.9453, 24.9821, 14.3199

Details

The CIELCh color **49, 37.659, 31.978** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **63, 25.354, 208.975**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 37.715, 31.855**, and **29, 37.835, 31.881** is the 20% darker color. If you saturate the color by 10%, you get **45, 46.439, 33.513**, and if you desaturate by 10%, it is **53, 29.267, 30.814**.

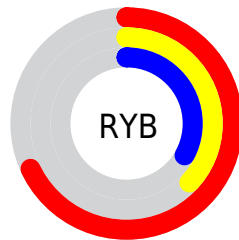
Distribution



Red (68%)

Green (36%)

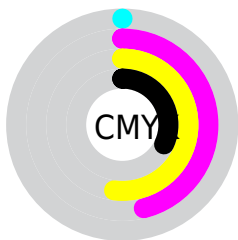
Blue (33%)



Red (68%)

Yellow (37%)

Blue (33%)

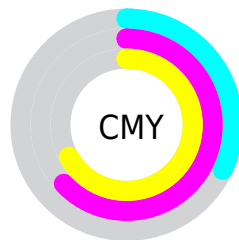


Cyan (0%)

Magenta (46%)

Yellow (52%)

Black (32%)



Cyan (32%)

Magenta (63%)







Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 37.659, 31.978 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, 37.659, 31.978 by changing the saturation by 10% instead.

 49, 37.659, 31.978	 49, 37.659, 31.978
 100, 37.659, 31.978	 39, 37.659, 31.978
 69, 37.659, 31.978	 29, 37.659, 31.978
 79, 37.659, 31.978	 19, 37.659, 31.978
 89, 37.659, 31.978	 9, 37.659, 31.978
 99, 37.659, 31.978	 0, 37.659, 31.978

 49, 37.659, 31.978	 49, 37.659, 31.978
 45, 46.439, 33.513	 53, 29.267, 30.814
 42, 55.404, 35.428	 57, 21.379, 29.952

40, 64.163, 37.618

61, 14.039, 29.328

38, 71.894, 39.659

66, 7.247, 28.873

37, 77.112, 41.228

71, 0.978, 28.150

75, 4.811, 208.598

80, 10.167,
208.455

85, 15.138,
208.411

89, 19.770,
208.421

Harmonies

Complementary

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



49, 37.659, 31.978



63, 25.354, 208.975

Rectangle

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



49, 37.659, 31.978



49, 37.659, 81.978



49, 37.659, 211.978



49, 37.659, 261.978

Sweetspot

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



49, 37.657, 31.982



82, 11.745, 29.024



50, 55.059, 330.227



43, 8.146, 29.117



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



49, 37.657, 31.982



58, 58.105, 33.768



60, 34.643, 78.560



34, 3.476, 28.778



32, 68.577, 41.048



2, 7.211, 26.791

Inverse Universe

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



63, 25.354, 208.975



79, 35.125, 209.629



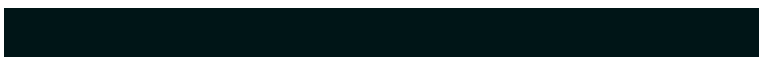
50, 32.769, 275.141



36, 3.276, 208.559



51, 30.142, 213.913



5, 6.860, 213.085

Previews

White Background



This preview shows how the CIELCh color 49, 37.659, 31.978 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 CIELCh color 49, 37.659, 31.978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 49, 37.659, 31.978

Background



This preview shows how black text looks on a background with the CIELCh color 49, 37.659, 31.978.



This preview shows how white text looks on a background with the CIELCh color 49, 37.659, 31.978.

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, 37.659, 31.978

Protanopia

49, 13.180, 95.118

Deuteranopia

49, 22.402, 72.880



Tritanopia
49, 36.714, 18.489

Trichromacy



Original Color
49, 37.659, 31.978

Protanomaly
49, 18.413, 53.149

Deuteranomaly
49, 26.352, 51.603

Tritanomaly
49, 36.846, 23.634

Monochromacy



Original Color
49, 37.659, 31.978

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 13.010, 28.595

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 37.659, 31.978 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(174, 93, 84)` looks like.

```
.text, #text, p{  
    color:rgb(174, 93, 84)  
}
```

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(174, 93, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 93, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 37.659, 31.978 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(174, 93, 84) }
```

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

```
.border{ border-color:rgb(174, 93, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 93, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 93, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 93, 84);  
box-shadow:4px 4px 4px 4px rgb(174, 93,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 37.659, 31.978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 93, 84) }
```

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

```
.background{ background-color: rgb(174, 93,  
84) }
```

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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