

Converting Colors

CIELCh(49, 23.710, 35.123)

Have a look what the booklet for
CIELCh(49, 23.710, 35.123) contains.

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Color

CIELCh(49, 23.725, 36.048)

Conversions

Conversions Part 1

Format	Color
Hex	9B685E
RGB	155, 104, 94
RGB Percent	61%, 41%, 37%
CMY	0.3933, 0.5931, 0.6323
CMYK	0.00, 0.33, 0.39, 0.39
HSL	10°, 25%, 49%
HSV	10°, 39%, 61%
XYZ	20.3979, 17.5941, 12.8523
YIQ	118.1090, 33.6060, 7.7020

Conversions

Conversions Part 2

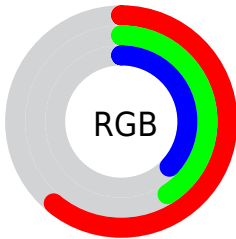
Format	Color
RYB	155, 106, 94
Decimal	10184798
CIELab	49.00, 19.18, 13.96
CIElCh	49, 23.725, 36.048
Yxy	17.5941, 0.4012, 0.3460
Android (android.graphics.Color)	4288374878 (0xFF9B685E)
YUV	118.1090, -11.8857, 32.3534
Hunter-Lab	41.9453, 13.4001, 11.1949

Details

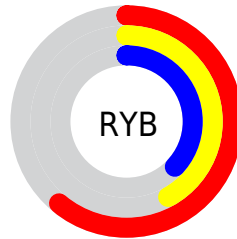
The CIELCh color **49, 23.725, 36.048** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **57, 17.881, 216.685**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 23.689, 37.197**, and **29, 23.930, 35.501** is the 20% darker color. If you saturate the color by 10%, you get **46, 30.939, 36.682**, and if you desaturate by 10%, it is **53, 16.997, 35.644**.

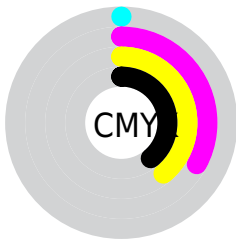
Distribution



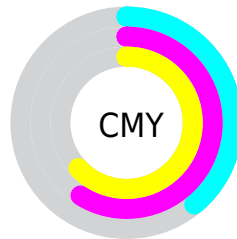
- Red (61%)
- Green (41%)
- Blue (37%)



- Red (61%)
- Yellow (42%)
- Blue (37%)



- Cyan (0%)
- Magenta (33%)
- Yellow (39%)
- Black (39%)



- Cyan (39%)
- Magenta (59%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 23.725, 36.048 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, 23.725, 36.048 by changing the saturation by 10% instead.

■ 49, 23.725, 36.048

■ 49, 23.725, 36.048

■ 100, 23.725,
36.048

■ 39, 23.725, 36.048

■ 69, 23.725, 36.048

■ 29, 23.725, 36.048

■ 79, 23.725, 36.048

■ 19, 23.725, 36.048

■ 89, 23.725, 36.048

■ 9, 23.725, 36.048

■ 99, 23.725, 36.048

■ 0, 23.725, 36.048

■ 49, 23.725, 36.048

■ 49, 23.725, 36.048

■ 46, 30.939, 36.682

■ 53, 16.997, 35.644

■ 42, 38.593, 37.572

■ 56, 10.766, 35.407

39, 46.563, 38.735

60, 5.010, 35.277

37, 54.588, 40.104

64, 0.306, 216.880

35, 62.099, 41.408

68, 5.222, 215.585

33, 68.469, 42.534

72, 9.781, 215.709

33, 68.832, 42.628

76, 14.025,
215.903

80, 17.990,
216.133

84, 21.712,
216.387

Harmonies

Complementary

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



49, 23.725, 36.048



57, 17.881, 216.685

Rectangle

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



49, 23.725, 36.048



49, 23.725, 86.048



49, 23.725, 216.048



49, 23.725, 266.048

Sweetspot

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



49, 23.724, 36.053



75, 8.017, 35.309



48, 37.621, 331.211



39, 5.386, 35.323



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



49, 23.724, 36.053



59, 36.286, 36.573



57, 24.459, 84.715



30, 2.981, 35.274



30, 63.526, 42.461



1, 3.120, 35.076

Inverse Universe

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



57, 17.881, 216.685



71, 25.402, 217.350



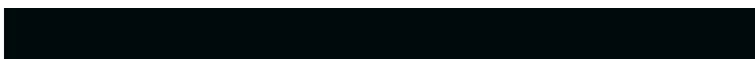
48, 24.076, 276.222



31, 2.815, 215.583



45, 27.906, 226.909



2, 3.088, 216.888

Previews

White Background



This preview shows how the CIELCh color 49, 23.725, 36.048 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, 23.725, 36.048 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, 23.725, 36.048

Background



This preview shows how black text looks on a background with the CIELCh color 49, 23.725, 36.048.

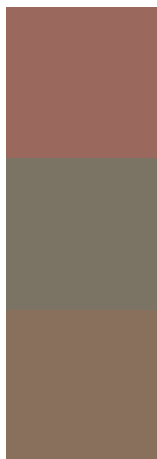


This preview shows how white text looks on a background with the CIELCh color 49, 23.725, 36.048.

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, 23.725, 36.048

Protanopia

49, 9.816, 91.141

Deuteranopia

49, 15.964, 66.719



Tritanopia
49, 23.775, 11.419

Trichromacy



Original Color
49, 23.725, 36.048

Protanomaly
49, 13.051, 58.778

Deuteranomaly
49, 18.012, 51.755

Tritanomaly
49, 23.460, 21.014

Monochromacy



Original Color
49, 23.725, 36.048

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 7.943, 37.229

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 23.725, 36.048 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(155, 104, 94)` looks like.

```
.text, #text, p{  
    color:rgb(155, 104, 94)  
}
```

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(155, 104, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 104, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 23.725, 36.048 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(155, 104, 94) }
```

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

```
.border{ border-color:rgb(155, 104, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 104, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 104, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 104, 94);  
box-shadow:4px 4px 4px 4px rgb(155, 104,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 23.725, 36.048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 104, 94) }
```

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

```
.background{ background-color: rgb(155,  
104, 94) }
```

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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