

Converting Colors

CIELCh(49, 23.454, 30.677)

Have a look what the booklet for
CIELCh(49, 23.454, 30.677) contains.

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Color

CIELCh(49, 23.405, 30.658)

Conversions

Conversions Part 1

Format	Color
Hex	9B6761
RGB	155, 103, 97
RGB Percent	61%, 40%, 38%
CMY	0.3913, 0.5953, 0.6189
CMYK	0.00, 0.34, 0.37, 0.39
HSL	6°, 23%, 49%
HSV	6°, 37%, 61%
XYZ	20.5930, 17.5941, 13.6654
YIQ	117.8640, 32.9180, 9.1580

Conversions

Conversions Part 2

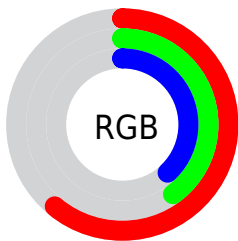
Format	Color
R_{YB}	155, 104, 97
Decimal	10184545
CIE _{Lab}	49.00, 20.13, 11.93
CIE _{LCh}	49, 23.405, 30.658
Yxy	17.5941, 0.3971, 0.3393
Android (android.graphics.Color)	4288374625 (0xFF9B6761)
YUV	117.8640, -10.2860, 32.5683
Hunter-Lab	41.9453, 14.2304, 10.0456

Details

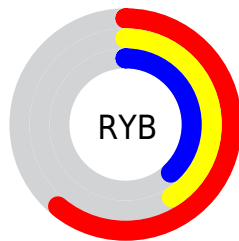
The CIELCh color **49, 23.405, 30.658** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **58, 17.907, 208.926**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 23.219, 30.809**, and **29, 23.534, 29.835** is the 20% darker color. If you saturate the color by 10%, you get **45, 30.812, 31.649**, and if you desaturate by 10%, it is **53, 16.474, 29.943**.

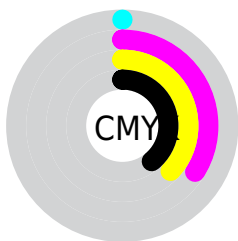
Distribution



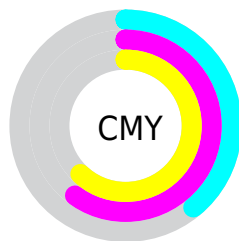
- Red (61%)
- Green (40%)
- Blue (38%)



- Red (61%)
- Yellow (41%)
- Blue (38%)



- Cyan (0%)
- Magenta (34%)
- Yellow (37%)
- Black (39%)



- Cyan (39%)
- Magenta (60%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 23.405, 30.658 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, 23.405, 30.658 by changing the saturation by 10% instead.

■ 49, 23.405, 30.658

■ 49, 23.405, 30.658

■ 100, 23.405,
30.658

■ 39, 23.405, 30.658

■ 69, 23.405, 30.658

■ 29, 23.405, 30.658

■ 79, 23.405, 30.658

■ 19, 23.405, 30.658

■ 89, 23.405, 30.658

■ 9, 23.405, 30.658

■ 99, 23.405, 30.658

■ 0, 23.405, 30.658

■ 49, 23.405, 30.658

■ 49, 23.405, 30.658

■ 45, 30.812, 31.649

■ 53, 16.474, 29.943

■ 42, 38.633, 32.964

■ 57, 10.042, 29.425

39, 46.727, 34.649

61, 4.096, 29.022

36, 54.844, 36.674

65, 1.396, 209.252

34, 62.483, 38.809

69, 6.474, 208.874

33, 68.788, 40.631

74, 11.181,
208.795

33, 70.269, 41.186

78, 15.560,
208.787

82, 19.650,
208.823

86, 23.486,
208.890

Harmonies

Complementary

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



49, 23.405, 30.658



58, 17.907, 208.926

Rectangle

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



49, 23.405, 30.658



49, 23.405, 80.658



49, 23.405, 210.658



49, 23.405, 260.658

Sweetspot

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



49, 23.404, 30.663



75, 7.665, 29.174



49, 37.092, 329.401



39, 5.217, 29.223



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, 23.404, 30.663



59, 35.989, 31.481



56, 22.389, 80.594



30, 3.122, 29.097



29, 64.673, 40.889



1, 3.266, 28.784

Inverse Universe

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



58, 17.907, 208.926



73, 25.612, 209.159



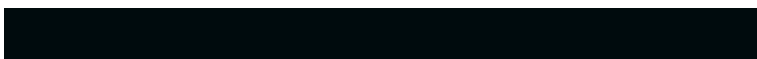
50, 21.475, 271.560



32, 2.946, 208.914



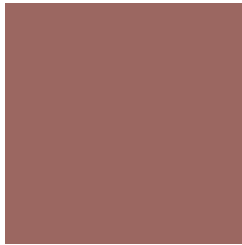
48, 28.579, 214.450



3, 3.232, 210.076

Previews

White Background



This preview shows how the CIELCh color 49, 23.405, 30.658 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, 23.405, 30.658 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, 23.405, 30.658

Background



This preview shows how black text looks on a background with the CIELCh color 49, 23.405, 30.658.

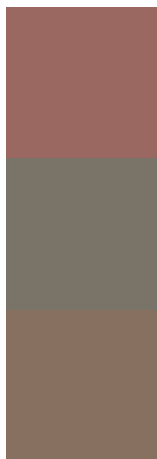


This preview shows how white text looks on a background with the CIELCh color 49, 23.405, 30.658.

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, 23.405, 30.658

Protanopia

49, 7.454, 89.340

Deuteranopia

49, 13.875, 62.223



Tritanopia
49, 23.775, 11.419

Trichromacy



Original Color
49, 23.405, 30.658

Protanomaly
49, 11.291, 48.000

Deuteranomaly
49, 16.598, 47.825

Tritanomaly
49, 23.341, 18.203

Monochromacy



Original Color
49, 23.405, 30.658

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 8.184, 32.562

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 23.405, 30.658 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, 103, 97)` looks like.

```
.text, #text, p{  
    color:rgb(155, 103, 97)  
}
```

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, 103, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 103, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 23.405, 30.658 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, 103, 97) }
```

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

```
.border{ border-color:rgb(155, 103, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 103, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 103, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 103, 97);  
box-shadow:4px 4px 4px 4px rgb(155, 103,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 23.405, 30.658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 103, 97) }
```

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

```
.background{ background-color: rgb(155,  
103, 97) }
```

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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