

Converting Colors

CIELCh(49, 25.127, 37.494)

Have a look what the booklet for
CIELCh(49, 25.127, 37.494) contains.

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Color

CIELCh(49, 24.899, 36.850)

Conversions

Conversions Part 1

Format	Color
Hex	9C675C
RGB	156, 103, 92
RGB Percent	61%, 40%, 36%
CMY	0.3875, 0.5954, 0.6386
CMYK	0.00, 0.34, 0.41, 0.39
HSL	10°, 26%, 49%
HSV	10°, 41%, 61%
XYZ	20.5500, 17.5941, 12.4743
YIQ	117.5930, 35.1190, 7.8150

Conversions

Conversions Part 2

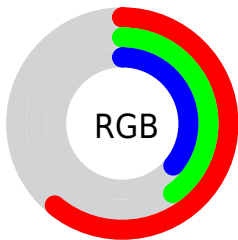
Format	Color
R_{YB}	156, 105, 92
Decimal	10250076
CIE _{Lab}	49.00, 19.92, 14.93
CIE _{LCh}	49, 24.899, 36.850
Yxy	17.5941, 0.4060, 0.3476
Android (android.graphics.Color)	4288440156 (0xFF9C675C)
YUV	117.5930, -12.6173, 33.6829
Hunter-Lab	41.9453, 14.0473, 11.7291

Details

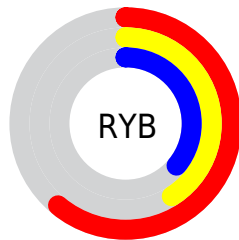
The CIELCh color **49, 24.899, 36.850** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **57, 18.529, 217.875**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 24.986, 36.503**, and **29, 24.783, 36.678** is the 20% darker color. If you saturate the color by 10%, you get **46, 32.211, 37.467**, and if you desaturate by 10%, it is **53, 18.074, 36.463**.

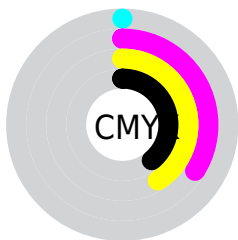
Distribution



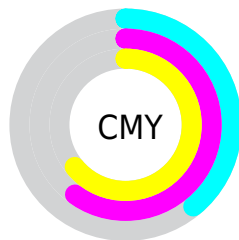
- Red (61%)
- Green (40%)
- Blue (36%)



- Red (61%)
- Yellow (41%)
- Blue (36%)



- Cyan (0%)
- Magenta (34%)
- Yellow (41%)
- Black (39%)



- Cyan (39%)
- Magenta (60%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 24.899, 36.850 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, 24.899, 36.850 by changing the saturation by 10% instead.

49, 24.899, 36.850

49, 24.899, 36.850

100, 24.899,
36.850

39, 24.899, 36.850

69, 24.899, 36.850

29, 24.899, 36.850

79, 24.899, 36.850

19, 24.899, 36.850

89, 24.899, 36.850

9, 24.899, 36.850

99, 24.899, 36.850

0, 24.899, 36.850

49, 24.899, 36.850

49, 24.899, 36.850

46, 32.211, 37.467

53, 18.074, 36.463

42, 39.958, 38.334

56, 11.749, 36.245

40, 48.000, 39.460

60, 5.906, 36.145

37, 56.041, 40.753

64, 0.511, 35.375

35, 63.432, 41.892

68, 4.478, 216.499

34, 69.155, 42.863

72, 9.104, 216.636

76, 13.407,
216.851

80, 17.428,
217.105

84, 21.200,
217.383

Harmonies

Complementary

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



49, 24.899, 36.850



57, 18.529, 217.875

Rectangle

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



49, 24.899, 36.850



49, 24.899, 86.850



49, 24.899, 216.850



49, 24.899, 266.850

Sweetspot

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



49, 24.898, 36.855



76, 8.056, 36.154



48, 38.922, 331.910



39, 5.357, 36.163



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, 24.898, 36.855



59, 38.327, 37.393



57, 26.002, 85.886



31, 3.047, 36.131



31, 64.303, 42.750



1, 3.877, 35.282

Inverse Universe

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



57, 18.529, 217.875



71, 26.364, 218.680



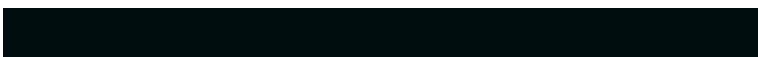
48, 25.818, 277.874



33, 2.878, 216.507



46, 28.278, 228.668



3, 3.787, 219.718

Previews

White Background



This preview shows how the CIELCh color 49, 24.899, 36.850 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, 24.899, 36.850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

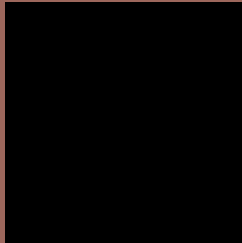
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 24.899, 36.850

Background



This preview shows how black text looks on a background with the CIELCh color 49, 24.899, 36.850.



This preview shows how white text looks on a background with the CIELCh color 49, 24.899, 36.850.

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, 24.899, 36.850

Protanopia

49, 10.809, 94.988

Deuteranopia

49, 16.733, 66.793



Tritanopia
49, 24.608, 13.285

Trichromacy



Original Color
49, 24.899, 36.850

Protanomaly
49, 13.457, 60.556

Deuteranomaly
49, 19.132, 53.774

Tritanomaly
49, 23.988, 22.464

Monochromacy



Original Color
49, 24.899, 36.850

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 8.356, 36.403

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 24.899, 36.850 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(156, 103, 92)` looks like.

```
.text, #text, p{  
    color:rgb(156, 103, 92)  
}
```

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(156, 103, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 103, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 24.899, 36.850 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(156, 103, 92) }
```

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

```
.border{ border-color:rgb(156, 103, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 103, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 103, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 103, 92);  
box-shadow:4px 4px 4px 4px rgb(156, 103,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 24.899, 36.850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 103, 92) }
```

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

```
.background{ background-color: rgb(156,  
103, 92) }
```

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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