

Converting Colors

CIELCh(49, 28.931, 40.856)

Have a look what the booklet for
CIELCh(49, 28.931, 40.856) contains.

CIELCh(49, 28.492, 41.109)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(49, 28.492, 41.109)

Conversions

Conversions Part 1

Format	Color
Hex	A06656
RGB	160, 102, 86
RGB Percent	63%, 40%, 34%
CMY	0.3733, 0.6006, 0.6634
CMYK	0.00, 0.36, 0.46, 0.37
HSL	13°, 30%, 48%
HSV	13°, 46%, 63%
XYZ	20.8687, 17.5941, 11.0666
YIQ	117.5180, 39.7040, 7.3200

Conversions

Conversions Part 2

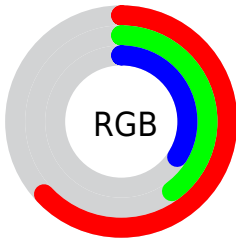
Format	Color
R_{YB}	160, 106, 86
Decimal	10511958
CIE _{Lab}	49.00, 21.47, 18.73
CIE _{LCh}	49, 28.492, 41.109
Yxy	17.5941, 0.4213, 0.3552
Android (android.graphics.Color)	4288702038 (0xFFA06656)
YUV	117.5180, -15.5384, 37.2567
Hunter-Lab	41.9453, 15.4034, 13.7190

Details

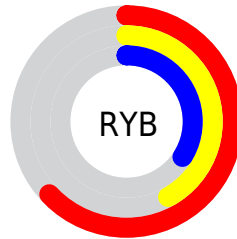
The CIELCh color **49, 28.492, 41.109** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **56, 20.443, 224.685**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 28.625, 40.313**, and **29, 28.555, 40.337** is the 20% darker color. If you saturate the color by 10%, you get **46, 36.011, 41.514**, and if you desaturate by 10%, it is **52, 21.454, 40.909**.

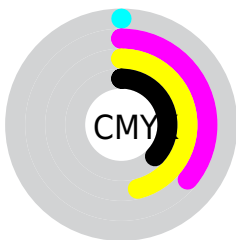
Distribution



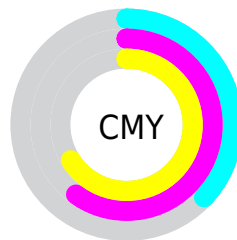
- Red (63%)
- Green (40%)
- Blue (34%)



- Red (63%)
- Yellow (42%)
- Blue (34%)



- Cyan (0%)
- Magenta (36%)
- Yellow (46%)
- Black (37%)



- Cyan (37%)
- Magenta (60%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 28.492, 41.109 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, 28.492, 41.109 by changing the saturation by 10% instead.

■ 49, 28.492, 41.109

■ 49, 28.492, 41.109

■ 100, 28.492,
41.109

■ 39, 28.492, 41.109

■ 69, 28.492, 41.109

■ 29, 28.492, 41.109

■ 79, 28.492, 41.109

■ 19, 28.492, 41.109

■ 89, 28.492, 41.109

■ 9, 28.492, 41.109

■ 99, 28.492, 41.109

■ 0, 28.492, 41.109

■ 49, 28.492, 41.109

■ 49, 28.492, 41.109

■ 46, 36.011, 41.514

■ 52, 21.454, 40.909

■ 43, 43.931, 42.118

■ 56, 14.920, 40.868

40, 52.054, 42.880

60, 8.877, 40.950

38, 59.926, 43.609

63, 3.292, 41.071

36, 66.699, 43.927

67, 1.874, 221.740

35, 69.191, 44.290

71, 6.665, 221.909

75, 11.123,
222.265

79, 15.288,
222.665

83, 19.195,
223.087

Harmonies

Complementary

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



49, 28.492, 41.109



56, 20.443, 224.685

Rectangle

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



49, 28.492, 41.109



49, 28.492, 91.109



49, 28.492, 221.109



49, 28.492, 271.109

Sweetspot

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



49, 28.491, 41.114



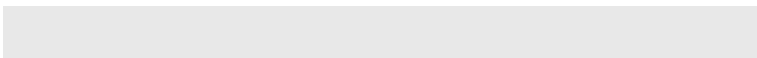
76, 9.327, 40.977



47, 43.453, 333.528



40, 6.544, 40.950



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



49, 28.491, 41.114



58, 44.274, 41.552



58, 30.784, 87.834



32, 2.970, 41.046



31, 63.220, 44.293



2, 3.781, 40.066

Inverse Universe

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



56, 20.443, 224.685



69, 28.875, 226.302



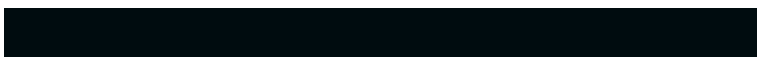
46, 31.201, 281.527



32, 2.810, 221.802



44, 28.725, 238.145



3, 3.709, 225.398

Previews

White Background



This preview shows how the CIELCh color 49, 28.492, 41.109 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, 28.492, 41.109 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, 28.492, 41.109

Background



This preview shows how black text looks on a background with the CIELCh color 49, 28.492, 41.109.



This preview shows how white text looks on a background with the CIELCh color 49, 28.492, 41.109.

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, 28.492, 41.109

Protanopia

49, 14.314, 95.969

Deuteranopia

49, 20.649, 71.568



Tritanopia
49, 27.266, 14.646

Trichromacy



Original Color
49, 28.492, 41.109

Protanomaly
49, 17.084, 65.669

Deuteranomaly
49, 22.647, 56.762

Tritanomaly
49, 26.861, 24.082

Monochromacy



Original Color
49, 28.492, 41.109

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 9.840, 37.603

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 28.492, 41.109 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(160, 102, 86)` looks like.

```
.text, #text, p{  
    color:rgb(160, 102, 86)  
}
```

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(160, 102, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 102, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 28.492, 41.109 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(160, 102, 86) }
```

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

```
.border{ border-color:rgb(160, 102, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 102, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 102, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 102, 86);  
box-shadow:4px 4px 4px 4px rgb(160, 102,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 28.492, 41.109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 102, 86) }
```

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

```
.background{ background-color: rgb(160,  
102, 86) }
```

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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