

Converting Colors

CIELCh(48, 9.365, 85.880)

Have a look what the booklet for
CIELCh(48, 9.365, 85.880) contains.

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Color

CIELCh(48, 9.622, 85.224)

Conversions

Conversions Part 1

Format	Color
Hex	7A7162
RGB	122, 113, 98
RGB Percent	48%, 44%, 38%
CMY	0.5220, 0.5573, 0.6161
CMYK	0.00, 0.07, 0.20, 0.52
HSL	38°, 11%, 43%
HSV	38°, 20%, 48%
XYZ	16.1021, 16.7945, 13.9215
YIQ	113.9810, 10.1790, -2.7570

Conversions

Conversions Part 2

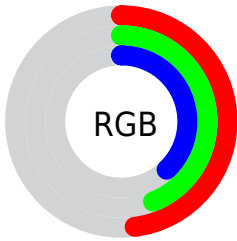
Format	Color
RYB	112, 122, 98
Decimal	8024418
CIELab	48.00, 0.80, 9.59
CIELCh	48, 9.622, 85.224
Yxy	16.7945, 0.3439, 0.3587
Android (android.graphics.Color)	4286214498 (0xFF7A7162)
YUV	113.9810, -7.8786, 7.0327
Hunter-Lab	40.9810, -1.5813, 8.5456

Details

The CIELCh color $48, 9.622, 85.224$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 9.492, 270.372$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 9.622, 84.913$, and $28, 9.248, 83.783$ is the 20% darker color. If you saturate the color by 10%, you get $46, 14.697, 83.961$, and if you desaturate by 10%, it is $50, 4.671, 86.455$.

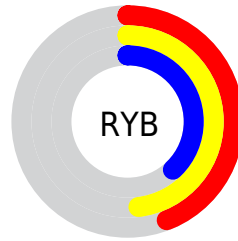
Distribution



Red (48%)

Green (44%)

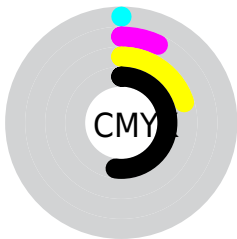
Blue (38%)



Red (44%)

Yellow (48%)

Blue (38%)

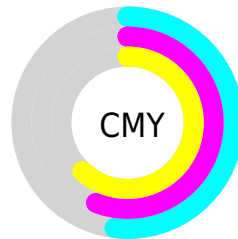


Cyan (0%)

Magenta (7%)

Yellow (20%)

Black (52%)



Cyan (52%)













Magenta (56%)



Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 9.622, 85.224 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 48, 9.622, 85.224 by changing the saturation by 10% instead.

 48, 9.622, 85.224	 48, 9.622, 85.224
 100, 9.622, 85.224	 38, 9.622, 85.224
 68, 9.622, 85.224	 28, 9.622, 85.224
 78, 9.622, 85.224	 18, 9.622, 85.224
 88, 9.622, 85.224	 8, 9.622, 85.224
 98, 9.622, 85.224	 0, 9.622, 85.224

 48, 9.622, 85.224	 48, 9.622, 85.224
 46, 14.697, 83.961	 50, 4.671, 86.455
 45, 19.883, 82.651	 51, 0.156, 268.905
 43, 25.146, 81.302	 53, 4.864, 268.894

■ 42, 30.415, 79.906

■ 55, 9.462, 269.987

■ 41, 35.548, 78.435

■ 56, 13.957,
271.045

■ 39, 40.292, 76.827

■ 58, 18.359,
272.057

■ 38, 44.237, 74.962

■ 37, 47.659, 73.019

■ 60, 22.677,
273.022

■ 37, 47.783, 72.968

■ 61, 26.917,
273.939

■ 63, 31.087,
274.810

Harmonies

Complementary

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



48, 9.622, 85.224



45, 9.492, 270.372

Rectangle

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



48, 9.622, 85.224



48, 9.622, 135.224



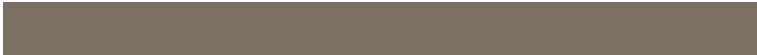
48, 9.622, 265.224



48, 9.622, 315.224

Sweetspot

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



48, 9.623, 85.234



64, 3.562, 86.861



44, 11.408, 352.257



33, 2.351, 86.808



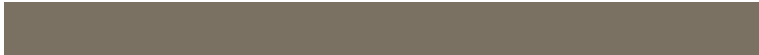
83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



48, 9.623, 85.234



60, 14.607, 84.616



50, 13.950, 113.272



25, 2.723, 86.527



38, 48.644, 72.882



73, 81.994, 71.056

Inverse Universe

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



45, 9.492, 270.372



56, 14.350, 271.171



43, 14.553, 296.450



24, 2.713, 268.846



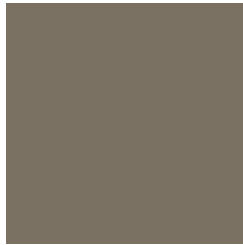
22, 51.954, 292.744



46, 92.507, 294.868

Previews

White Background



This preview shows how the CIELCh color 48, 9.622, 85.224 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 48, 9.622, 85.224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

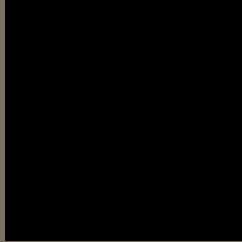
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 9.622, 85.224

Background



This preview shows how black text looks on a background with the CIELCh color 48, 9.622, 85.224.



This preview shows how white text looks on a background with the CIELCh color 48, 9.622, 85.224.

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


48, 9.622, 85.224

Protanopia

48, 9.724, 93.536

Deuteranopia

48, 10.869, 56.390



Tritanopia
48, 8.086, 339.476

Trichromacy



Original Color
48, 9.622, 85.224

Protanomaly
48, 9.848, 91.107

Deuteranomaly
48, 9.909, 64.975

Tritanomaly
48, 5.393, 19.978

Monochromacy



Original Color
48, 9.622, 85.224

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 3.725, 90.178

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 48, 9.622, 85.224 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(122, 113, 98)` looks like.

```
.text, #text, p{  
    color:rgb(122, 113, 98)  
}
```

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(122, 113, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 113, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 9.622, 85.224 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(122, 113, 98) }
```

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

```
.border{ border-color:rgb(122, 113, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 113, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 113, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 113, 98);  
box-shadow:4px 4px 4px 4px rgb(122, 113,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 9.622, 85.224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 113, 98) }
```

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

```
.background{ background-color: rgb(122,  
113, 98) }
```

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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