

Converting Colors

CIELCh(50, 7.256, 46.515)

Have a look what the booklet for
CIELCh(50, 7.256, 46.515) contains.

CIELCh(50, 7.213, 48.859)	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(50, 7.213, 48.859)

Conversions

Conversions Part 1

Format	Color
Hex	83746E
RGB	131, 116, 110
RGB Percent	51%, 45%, 43%
CMY	0.4866, 0.5454, 0.5689
CMYK	0.00, 0.11, 0.16, 0.49
HSL	17°, 9%, 47%
HSV	17°, 16%, 51%
XYZ	18.3972, 18.4187, 17.3177
YIQ	119.8010, 10.8660, 1.3140

Conversions

Conversions Part 2

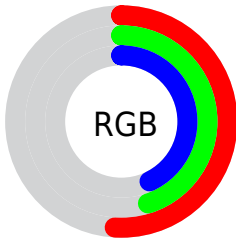
Format	Color
R_{YB}	131, 118, 110
Decimal	8615022
CIE _{Lab}	50.00, 4.75, 5.43
CIE _{LCh}	50, 7.213, 48.859
Yxy	18.4187, 0.3398, 0.3402
Android (android.graphics.Color)	4286805102 (0xFF83746E)
YUV	119.8010, -4.8319, 9.8215
Hunter-Lab	42.9170, 1.4127, 6.1174

Details

The CIELCh color $50, 7.213, 48.859$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 6.599, 231.014$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 7.026, 47.505$, and $30, 7.219, 52.016$ is the 20% darker color. If you saturate the color by 10%, you get $47, 12.160, 48.427$, and if you desaturate by 10%, it is $53, 2.616, 49.317$.

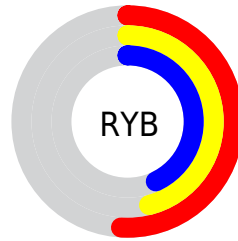
Distribution



Red (51%)

Green (45%)

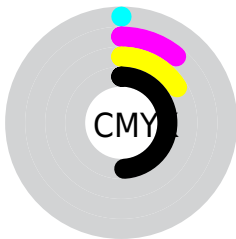
Blue (43%)



Red (51%)

Yellow (46%)

Blue (43%)

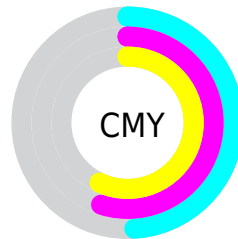


Cyan (0%)

Magenta (11%)

Yellow (16%)

Black (49%)



Cyan (49%)

Magenta (55%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 7.213, 48.859 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 50, 7.213, 48.859 by changing the saturation by 10% instead.

■ 50, 7.213, 48.859 ■ 50, 7.213, 48.859

■ 100, 7.213, 48.859 ■ 40, 7.213, 48.859

■ 70, 7.213, 48.859 ■ 30, 7.213, 48.859

■ 80, 7.213, 48.859 ■ 20, 7.213, 48.859

■ 90, 7.213, 48.859 ■ 10, 7.213, 48.859

■ 0, 7.213, 48.859

■ 50, 7.213, 48.859 ■ 50, 7.213, 48.859

■ 47, 12.160, 48.427 ■ 53, 2.616, 49.317

■ 44, 17.485, 48.058 ■ 56, 1.662, 230.270

■ 42, 23.205, 47.794 ■ 59, 5.656, 230.727

■ 39, 29.313, 47.653

■ 62, 9.398, 231.337

■ 37, 35.760, 47.633

■ 65, 12.917,
231.972

■ 34, 42.405, 47.687

■ 68, 16.241,
232.613

■ 32, 48.931, 47.659

■ 30, 54.820, 47.349

■ 71, 19.393,
233.252

■ 30, 57.061, 47.345

■ 74, 22.395,
233.881

■ 77, 25.264,
234.499

Harmonies

Complementary

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



50, 7.213, 48.859



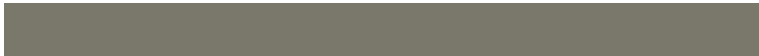
51, 6.599, 231.014

Rectangle

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



50, 7.213, 48.859



50, 7.213, 98.859



50, 7.213, 228.859



50, 7.213, 278.859

Sweetspot

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



50, 7.213, 48.873



68, 2.684, 49.342



49, 12.222, 334.655



36, 1.849, 49.327



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



50, 7.213, 48.873



63, 10.757, 48.715



53, 9.654, 97.583



26, 2.498, 49.195



30, 56.740, 47.340



0, 0.581, 49.799

Inverse Universe

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



51, 6.599, 231.014



65, 9.638, 231.313



48, 9.800, 281.355



27, 2.380, 230.503



37, 28.739, 251.821



0, 0.581, 229.818

Previews

White Background



This preview shows how the CIELCh color 50, 7.213, 48.859 looks on a white background.

Color Contrast Check

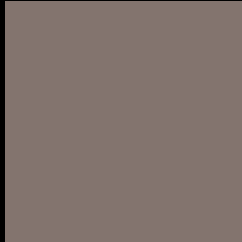
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 50, 7.213, 48.859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

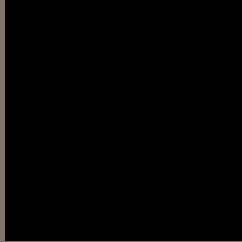
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 7.213, 48.859

Background



This preview shows how black text looks on a background with the CIELCh color 50, 7.213, 48.859.

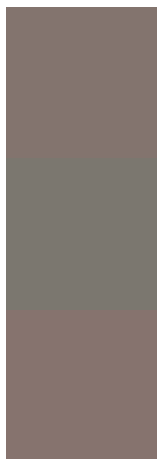


This preview shows how white text looks on a background with the CIELCh color 50, 7.213, 48.859.

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


50, 7.213, 48.859

Protanopia

50, 4.935, 89.935

Deuteranopia

50, 8.534, 40.070



Tritanopia
50, 9.324, 346.267

Trichromacy



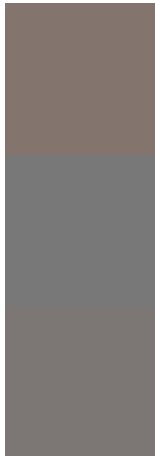
Original Color
50, 7.213, 48.859

Protanomaly
50, 5.256, 70.335

Deuteranomaly
50, 8.130, 41.066

Tritanomaly
50, 7.194, 6.181

Monochromacy



Original Color
50, 7.213, 48.859

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 2.676, 60.148

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 7.213, 48.859 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(131, 116, 110)` looks like.

```
.text, #text, p{  
    color:rgb(131, 116, 110)  
}
```

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(131, 116, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 116, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 7.213, 48.859 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(131, 116, 110) }
```

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

```
.border{ border-color:rgb(131, 116, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 116, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 116, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 116, 110);  
box-shadow:4px 4px 4px 4px rgb(131, 116,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 7.213, 48.859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 116, 110) }
```

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

```
.background{ background-color: rgb(131,  
116, 110) }
```

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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