

Converting Colors

CIELCh(48, 11.453, 54.274)

Have a look what the booklet for
CIELCh(48, 11.453, 54.274) contains.

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Color

CIELCh(48, 11.231, 55.075)

Conversions

Conversions Part 1

Format	Color
Hex	836E63
RGB	131, 110, 99
RGB Percent	51%, 43%, 39%
CMY	0.4873, 0.5696, 0.6128
CMYK	0.00, 0.16, 0.24, 0.49
HSL	21°, 14%, 45%
HSV	21°, 24%, 51%
XYZ	17.1050, 16.7945, 14.0797
YIQ	115.0250, 16.0470, 1.0310

Conversions

Conversions Part 2

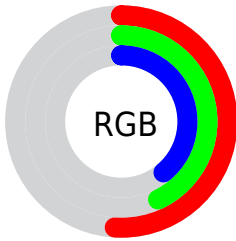
Format	Color
R_{YB}	131, 116, 99
Decimal	8613475
CIE Lab	48.00, 6.43, 9.21
CIE LCh	48, 11.231, 55.075
Yxy	16.7945, 0.3565, 0.3500
Android (android.graphics.Color)	4286803555 (0xFF836E63)
YUV	115.0250, -7.9003, 14.0101
Hunter-Lab	40.9810, 2.7870, 8.3167

Details

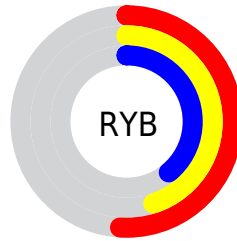
The CIELCh color **48, 11.231, 55.075** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **49, 9.920, 239.610**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 11.003, 56.537**, and **28, 11.445, 54.555** is the 20% darker color. If you saturate the color by 10%, you get **45, 16.387, 54.403**, and if you desaturate by 10%, it is **51, 6.415, 55.807**.

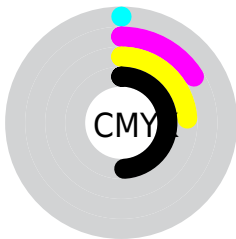
Distribution



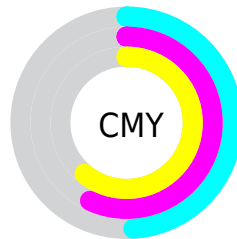
- Red (51%)
- Green (43%)
- Blue (39%)



- Red (51%)
- Yellow (45%)
- Blue (39%)



- Cyan (0%)
- Magenta (16%)
- Yellow (24%)
- Black (49%)





















- Cyan (49%)
- Magenta (57%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 11.231, 55.075 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, 11.231, 55.075 by changing the saturation by 10% instead.

 48, 11.231, 55.075	 48, 11.231, 55.075
 100, 11.231, 55.075	 38, 11.231, 55.075
 68, 11.231, 55.075	 28, 11.231, 55.075
 78, 11.231, 55.075	 18, 11.231, 55.075
 88, 11.231, 55.075	 8, 11.231, 55.075
 98, 11.231, 55.075	 0, 11.231, 55.075

 48, 11.231, 55.075	 48, 11.231, 55.075
 45, 16.387, 54.403	 51, 6.415, 55.807
 43, 21.901, 53.787	 53, 1.914, 56.463

40, 27.771, 53.247

56, 2.304, 237.609

38, 33.954, 52.777

59, 6.269, 238.333

36, 40.329, 52.328

62, 10.010,
239.135

34, 46.611, 51.769

65, 13.553,
239.942

32, 52.282, 50.856

31, 55.444, 50.607

67, 16.923,
240.740

70, 20.141,
241.522

73, 23.225,
242.285

Harmonies

Complementary

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



48, 11.231, 55.075



49, 9.920, 239.610

Rectangle

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



48, 11.231, 55.075



48, 11.231, 105.075



48, 11.231, 235.075



48, 11.231, 285.075

Sweetspot

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



48, 11.231, 55.085



68, 3.768, 56.319



46, 18.045, 337.394



35, 2.471, 56.289



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



48, 11.231, 55.085



60, 16.872, 54.723



52, 15.503, 99.683



27, 2.485, 56.188



31, 55.209, 50.611



0, 0.579, 56.997

Inverse Universe

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



49, 9.920, 239.610



62, 14.461, 240.343



44, 16.014, 285.417



27, 2.383, 237.905



34, 31.474, 262.175



0, 0.580, 237.015

Previews

White Background



This preview shows how the CIELCh color 48, 11.231, 55.075 looks on a white background.

Color Contrast Check

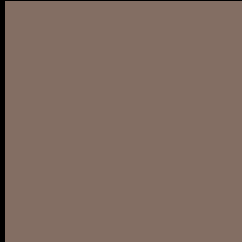
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 11.231, 55.075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

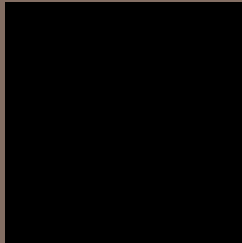
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 11.231, 55.075

Background



This preview shows how black text looks on a background with the CIELCh color 48, 11.231, 55.075.



This preview shows how white text looks on a background with the CIELCh color 48, 11.231, 55.075.

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, 11.231, 55.075

Protanopia

48, 7.909, 93.552

Deuteranopia

48, 11.231, 55.075



Tritanopia
48, 11.934, 354.693

Trichromacy



Original Color
48, 11.231, 55.075

Protanomaly
48, 8.491, 75.472

Deuteranomaly
48, 11.231, 55.075

Tritanomaly
48, 10.136, 14.010

Monochromacy



Original Color
48, 11.231, 55.075

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 4.063, 54.870

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 11.231, 55.075 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, 110, 99)` looks like.

```
.text, #text, p{  
    color:rgb(131, 110, 99)  
}
```

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, 110, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 110, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 11.231, 55.075 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, 110, 99) }
```

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

```
.border{ border-color:rgb(131, 110, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 110, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 110, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 110, 99);  
box-shadow:4px 4px 4px 4px rgb(131, 110,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 11.231, 55.075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 110, 99) }
```

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

```
.background{ background-color: rgb(131,  
110, 99) }
```

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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