

Converting Colors

CIELCh(51, 22.880, 112.091)

Have a look what the booklet for
CIELCh(51, 22.880, 112.091)
contains.

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Color

CIELCh(51, 23.015, 112.690)

Conversions

Conversions Part 1

Format	Color
Hex	787D55
RGB	120, 125, 85
RGB Percent	47%, 49%, 33%
CMY	0.5300, 0.5103, 0.6672
CMYK	0.04, 0.00, 0.32, 0.51
HSL	68°, 19%, 41%
HSV	68°, 32%, 49%
XYZ	16.6766, 19.2686, 11.4071
YIQ	118.9450, 9.8600, -13.5000

Conversions

Conversions Part 2

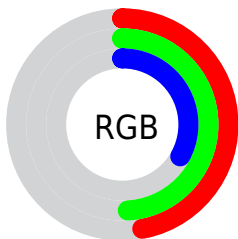
Format	Color
R_{YB}	85, 125, 90
Decimal	7896405
CIE Lab	51.00, -8.88, 21.23
CIE LCh	51, 23.015, 112.690
Yxy	19.2686, 0.3522, 0.4069
Android (android.graphics.Color)	4286086485 (0xFF787D55)
YUV	118.9450, -16.7349, 0.9252
Hunter-Lab	43.8960, -9.0038, 15.3197

Details

The CIELCh color **51, 23.015, 112.690** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **38, 24.750, 298.069**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 23.277, 112.852**, and **31, 22.936, 112.161** is the 20% darker color. If you saturate the color by 10%, you get **51, 29.934, 111.967**, and if you desaturate by 10%, it is **51, 15.918, 113.443**.

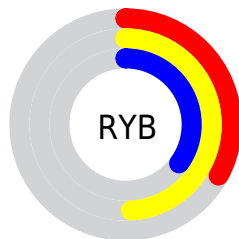
Distribution



Red (47%)

Green (49%)

Blue (33%)



Red (33%)

Yellow (49%)

Blue (35%)

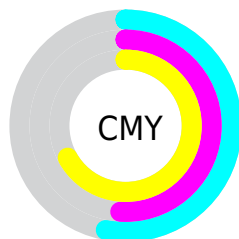


Cyan (4%)

Magenta (0%)

Yellow (32%)

Black (51%)



Cyan (53%)


Magenta (51%)


Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 23.015, 112.690 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 51, 23.015, 112.690 by changing the saturation by 10% instead.


 51, 23.015,
112.690


 51, 23.015,
112.690


 100, 23.015,
112.690


 41, 23.015,
112.690


 71, 23.015,
112.690


 31, 23.015,
112.690


 81, 23.015,
112.690

 21, 23.015,
112.690

 91, 23.015,
112.690

 11, 23.015,
112.690

 1, 23.015, 112.690

 0, 23.015, 112.690

■ 51, 23.015,
112.690

■ 51, 23.015,
112.690

■ 51, 29.934,
111.967

■ 51, 15.918,
113.443

■ 50, 36.556,
111.293

■ 52, 8.718, 114.196

■ 52, 1.468, 114.932

■ 50, 42.711,
110.711

■ 53, 5.798, 295.665

■ 50, 48.155,
110.272

■ 53, 13.053,
296.358

■ 50, 52.587,
110.040

■ 54, 20.281,
297.021

■ 49, 55.708,
110.081

■ 54, 27.467,
297.650

■ 49, 57.689,
110.206

■ 55, 34.601,
298.243

■ 56, 41.674,
298.800

Harmonies

Complementary

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



51, 23.015, 112.690



38, 24.750, 298.069

Rectangle

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



51, 23.015, 112.690



51, 23.015, 162.690



51, 23.015, 292.690



51, 23.015, 342.690

Sweetspot

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



51, 23.016, 112.693



66, 9.024, 114.330



42, 16.219, 31.356



34, 6.124, 114.244



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



51, 23.016, 112.693



65, 33.798, 112.188



50, 25.381, 131.629



26, 4.017, 114.419



49, 57.718, 110.207



94, 97.261, 110.588

Inverse Universe

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



38, 24.750, 298.069



46, 37.040, 298.902



40, 26.184, 314.380



23, 4.098, 295.797



13, 78.109, 306.912



33, 132.013, 306.655

Previews

White Background



This preview shows how the CIE LCh color 51, 23.015, 112.690 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 CIE LCh color 51, 23.015, 112.690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

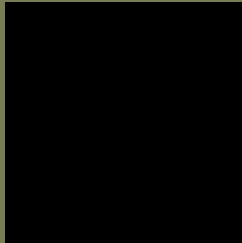
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

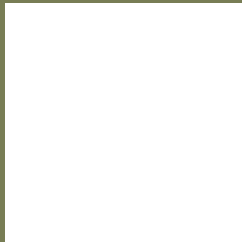
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 23.015, 112.690

Background



This preview shows how black text looks on a background with the CIELCh color 51, 23.015, 112.690.



This preview shows how white text looks on a background with the CIELCh color 51, 23.015, 112.690.

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

51, 23.015, 112.690

Protanopia

51, 22.364, 95.718

Deuteranopia

51, 21.266, 71.518



Tritanopia
51, 6.327, 312.776

Trichromacy



Original Color
51, 23.015, 112.690

Protanomaly
51, 21.975, 101.488

Deuteranomaly
51, 20.466, 87.134

Tritanomaly
51, 4.712, 99.503

Monochromacy



Original Color
51, 23.015, 112.690

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 8.184, 114.952

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 23.015, 112.690 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(120, 125, 85)` looks like.

```
.text, #text, p{  
    color:rgb(120, 125, 85)  
}
```

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(120, 125, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 125, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 23.015, 112.690 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(120, 125, 85) }
```

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

```
.border{ border-color:rgb(120, 125, 85) }
```

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

Here you see how a box with a 4 pixel rgb(120, 125, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 125, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 125, 85);  
box-shadow:4px 4px 4px 4px rgb(120, 125,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 23.015, 112.690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 125, 85) }
```

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

```
.background{ background-color: rgb(120,  
125, 85) }
```

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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