

Converting Colors

CIELCh(53, 15.238, 101.694)

Have a look what the booklet for
CIELCh(53, 15.238, 101.694)
contains.

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Color

CIELCh(53, 15.023, 101.728)

Conversions

Conversions Part 1

Format	Color
Hex	837F65
RGB	131, 127, 101
RGB Percent	51%, 50%, 40%
CMY	0.4851, 0.5008, 0.6028
CMYK	0.00, 0.03, 0.23, 0.49
HSL	52°, 13%, 46%
HSV	52°, 23%, 51%
XYZ	19.3939, 21.0462, 15.4232
YIQ	125.2320, 10.7300, -7.2380

Conversions

Conversions Part 2

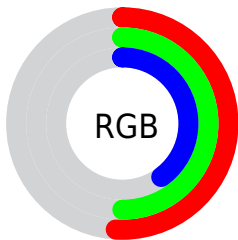
Format	Color
R_{YB}	106, 131, 101
Decimal	8617829
CIE Lab	53.00, -3.05, 14.71
CIE LCh	53, 15.023, 101.728
Yxy	21.0462, 0.3472, 0.3767
Android (android.graphics.Color)	4286807909 (0xFF837F65)
YUV	125.2320, -11.9464, 5.0585
Hunter-Lab	45.8761, -4.8232, 12.1804

Details

The CIELCh color $53, 15.023, 101.728$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $45, 15.562, 286.908$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 15.182, 102.705$, and $33, 15.017, 102.006$ is the 20% darker color. If you saturate the color by 10%, you get $52, 21.569, 100.655$, and if you desaturate by 10%, it is $54, 8.445, 102.792$.

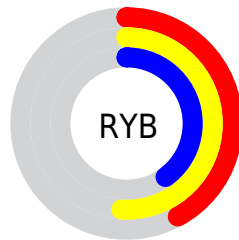
Distribution



Red (51%)

Green (50%)

Blue (40%)



Red (42%)

Yellow (51%)

Blue (40%)

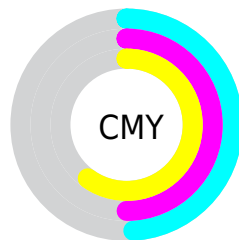


Cyan (0%)

Magenta (3%)

Yellow (23%)

Black (49%)



Cyan (49%)


Magenta (50%)


Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 15.023, 101.728 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 53, 15.023, 101.728 by changing the saturation by 10% instead.


 53, 15.023,
101.728


 53, 15.023,
101.728


 100, 15.023,
101.728


 43, 15.023,
101.728


 73, 15.023,
101.728

 33, 15.023,
101.728

 83, 15.023,
101.728

 23, 15.023,
101.728

 93, 15.023,
101.728

 13, 15.023,
101.728

 3, 15.023, 101.728

 0, 15.023, 101.728

■ 53, 15.023,
101.728

■ 53, 15.023,
101.728

■ 52, 21.569,
100.655

■ 54, 8.445, 102.792

■ 52, 28.017, 99.570

■ 55, 1.869, 103.794

■ 51, 34.262, 98.488

■ 55, 4.680, 284.868

■ 50, 40.138, 97.423

■ 56, 11.190,
285.828

■ 50, 45.386, 96.386

■ 57, 17.652,
286.757

■ 49, 49.649, 95.380

■ 58, 24.064,
287.645

■ 48, 52.530, 94.400

■ 48, 54.178, 93.718

■ 59, 30.421,
288.490

■ 60, 36.723,
289.292

■ 61, 42.969,
290.051

Harmonies

Complementary

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



53, 15.023, 101.728



45, 15.562, 286.908

Rectangle

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



53, 15.023, 101.728



53, 15.023, 151.728



53, 15.023, 281.728



53, 15.023, 331.728

Sweetspot

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



53, 15.024, 101.734



69, 5.692, 103.379



46, 12.939, 10.613



36, 3.728, 103.333



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



53, 15.024, 101.734



67, 22.000, 101.222



53, 17.794, 123.129



28, 3.730, 103.178



48, 53.812, 93.727



1, 0.895, 104.131

Inverse Universe

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



45, 15.562, 286.908



56, 22.979, 287.615



45, 18.500, 305.543



26, 3.786, 285.140



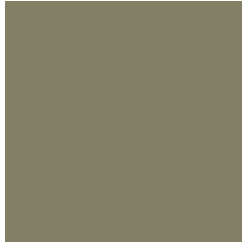
16, 74.016, 303.669



0, 0.895, 284.134

Previews

White Background



This preview shows how the CIELCh color 53, 15.023, 101.728 looks on a white background.

Color Contrast Check

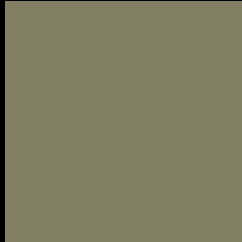
Large Text (above 18pt) WCAG AA ✓ Pass

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 53, 15.023, 101.728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

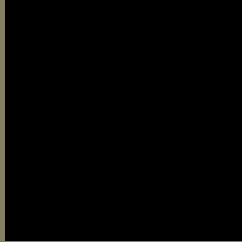
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

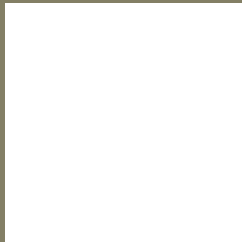
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 53, 15.023, 101.728

Background



This preview shows how black text looks on a background with the CIELCh color 53, 15.023, 101.728.

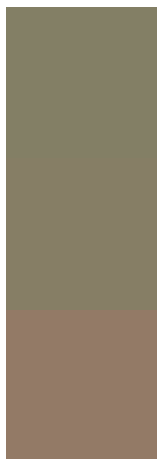


This preview shows how white text looks on a background with the CIELCh color 53, 15.023, 101.728.

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

53, 15.023, 101.728

Protanopia

53, 14.784, 94.878

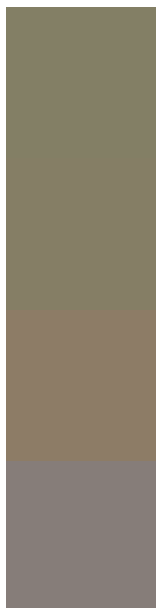
Deuteranopia

53, 15.981, 65.791



Tritanopia
53, 7.513, 329.879

Trichromacy



Original Color
53, 15.023, 101.728

Protanomaly
53, 14.687, 96.521

Deuteranomaly
53, 14.710, 78.546

Tritanomaly
53, 4.327, 51.788

Monochromacy



Original Color
53, 15.023, 101.728

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 5.248, 100.536

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 15.023, 101.728 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, 127, 101)` looks like.

```
.text, #text, p{  
    color:rgb(131, 127, 101)  
}
```

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, 127, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 127, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 15.023, 101.728 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, 127, 101) }
```

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

```
.border{ border-color:rgb(131, 127, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 127, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 127, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 127, 101);  
box-shadow:4px 4px 4px 4px rgb(131, 127,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 15.023, 101.728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 127, 101) }
```

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

```
.background{ background-color: rgb(131,  
127, 101) }
```

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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