

Converting Colors

CIELCh(54, 13.976, 112.237)

Have a look what the booklet for
CIELCh(54, 13.976, 112.237)
contains.

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Color

CIELCh(54, 13.751, 111.977)

Conversions

Conversions Part 1

Format	Color
Hex	81836B
RGB	129, 131, 107
RGB Percent	51%, 51%, 42%
CMY	0.4940, 0.4861, 0.5803
CMYK	0.02, 0.00, 0.18, 0.49
HSL	65°, 10%, 47%
HSV	65°, 18%, 51%
XYZ	19.8356, 21.9746, 17.1156
YIQ	127.6660, 6.5120, -7.8880

Conversions

Conversions Part 2

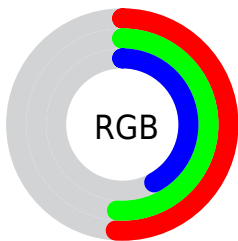
Format	Color
R_{YB}	107, 131, 109
Decimal	8487787
CIE _{Lab}	54.00, -5.15, 12.75
CIE _{LCh}	54, 13.751, 111.977
Yxy	21.9746, 0.3366, 0.3729
Android (android.graphics.Color)	4286677867 (0xFF81836B)
YUV	127.6660, -10.1883, 1.1699
Hunter-Lab	46.8770, -6.5041, 11.1662

Details

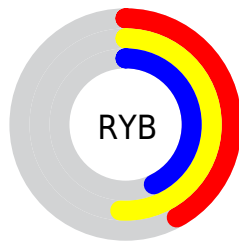
The CIELCh color $54, 13.751, 111.977$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $46, 14.315, 295.131$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $74, 14.008, 112.020$, and $34, 13.653, 111.728$ is the 20% darker color. If you saturate the color by 10%, you get $54, 21.160, 111.170$, and if you desaturate by 10%, it is $54, 6.258, 112.791$.

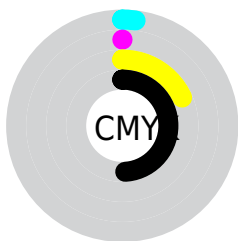
Distribution



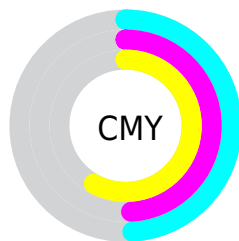
- Red (51%)
- Green (51%)
- Blue (42%)



- Red (42%)
- Yellow (51%)
- Blue (43%)



- Cyan (2%)
- Magenta (0%)
- Yellow (18%)
- Black (49%)



- Cyan (49%)
- Magenta (49%)
- Yellow (58%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 13.751, 111.977 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 54, 13.751, 111.977 by changing the saturation by 10% instead.


 54, 13.751,
111.977

 54, 13.751,
111.977


 100, 13.751,
111.977

 44, 13.751,
111.977


 74, 13.751,
111.977

 34, 13.751,
111.977

 84, 13.751,
111.977

 24, 13.751,
111.977

 94, 13.751,
111.977

 14, 13.751,
111.977

 4, 13.751, 111.977

 0, 13.751, 111.977

■ 54, 13.751,
111.977

■ 54, 13.751,
111.977

■ 54, 21.160,
111.170

■ 54, 6.258, 112.791

■ 53, 28.412,
110.373

■ 55, 1.276, 293.611

■ 55, 8.817, 294.368

■ 53, 35.401,
109.616

■ 56, 16.343,
295.112

■ 53, 41.968,
108.932

■ 56, 23.837,
295.822

■ 53, 47.884,
108.363

■ 57, 31.287,
296.496

■ 52, 52.845,
107.964

■ 58, 38.684,
297.133

■ 52, 56.523,
107.789

■ 58, 46.019,
297.733

■ 52, 59.000,

107.823

■ 59, 53.286,
298.295

■ 52, 59.412,
107.827

Harmonies

Complementary

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



54, 13.751, 111.977



46, 14.315, 295.131

Rectangle

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



54, 13.751, 111.977



54, 13.751, 161.977



54, 13.751, 291.977



54, 13.751, 341.977

Sweetspot

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



54, 13.752, 111.982



70, 4.672, 113.046



48, 9.399, 27.596



37, 3.213, 112.998



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



54, 13.752, 111.982



69, 20.481, 111.641



53, 14.981, 131.160



28, 4.284, 112.725



52, 59.087, 107.824



1, 1.031, 113.458

Inverse Universe

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



46, 14.315, 295.131



57, 21.530, 295.582



47, 15.276, 312.683



25, 4.373, 294.238



14, 80.706, 306.663



0, 1.031, 293.458

Previews

White Background



This preview shows how the CIELCh color 54, 13.751, 111.977 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 54, 13.751, 111.977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

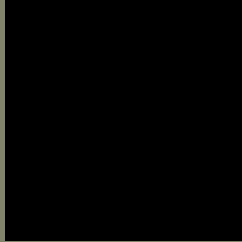
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

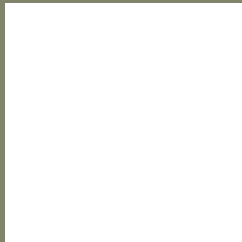
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 54, 13.751, 111.977

Background



This preview shows how black text looks on a background with the CIELCh color 54, 13.751, 111.977.

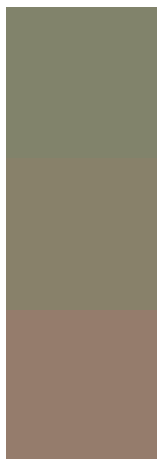


This preview shows how white text looks on a background with the CIELCh color 54, 13.751, 111.977.

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


54, 13.751, 111.977

Protanopia

54, 13.508, 95.792

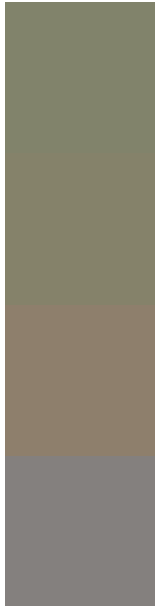
Deuteranopia

54, 14.236, 60.085



Tritanopia
54, 6.256, 312.758

Trichromacy



Original Color
54, 13.751, 111.977

Protanomaly
54, 13.787, 103.174

Deuteranomaly
54, 12.677, 78.508

Tritanomaly
54, 1.963, 55.169

Monochromacy



Original Color
54, 13.751, 111.977

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 5.190, 114.010

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 13.751, 111.977 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(129, 131, 107)` looks like.

```
.text, #text, p{  
    color:rgb(129, 131, 107)  
}
```

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(129, 131, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 131, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 13.751, 111.977 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(129, 131, 107) }
```

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

```
.border{ border-color:rgb(129, 131, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 131, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 131, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 131, 107);  
box-shadow:4px 4px 4px 4px rgb(129, 131,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 13.751, 111.977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 131, 107) }
```

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

```
.background{ background-color: rgb(129,  
131, 107) }
```

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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