

Converting Colors

CIELCh(55, 15.984, 138.954)

Have a look what the booklet for
CIELCh(55, 15.984, 138.954)
contains.

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Color

CIELCh(55, 15.984, 138.954)

Conversions

Conversions Part 1

Format	Color
Hex	758971
RGB	117, 137, 113
RGB Percent	46%, 54%, 44%
CMY	0.5405, 0.4621, 0.5562
CMYK	0.15, 0.00, 0.18, 0.46
HSL	110°, 10%, 49%
HSV	110°, 18%, 54%
XYZ	19.3188, 22.9298, 19.0795
YIQ	128.2840, -4.2160, -11.7040

Conversions

Conversions Part 2

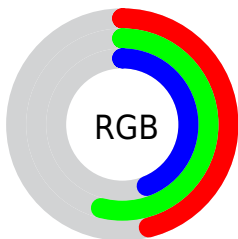
Format	Color
RYB	113, 137, 133
Decimal	7702897
CIELab	55.00, -12.05, 10.50
CIElCh	55, 15.984, 138.954
Yxy	22.9298, 0.3150, 0.3739
Android (android.graphics.Color)	4285892977 (0xFF758971)
YUV	128.2840, -7.5350, -9.8961
Hunter-Lab	47.8851, -11.7848, 9.8959

Details

The CIELCh color $55, 15.984, 138.954$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $50, 16.095, 320.560$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 15.686, 139.361$, and $35, 16.053, 139.415$ is the 20% darker color. If you saturate the color by 10%, you get $54, 25.152, 138.369$, and if you desaturate by 10%, it is $56, 6.818, 139.482$.

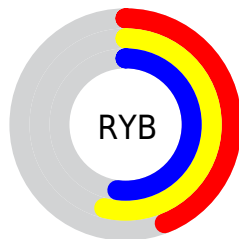
Distribution



Red (46%)

Green (54%)

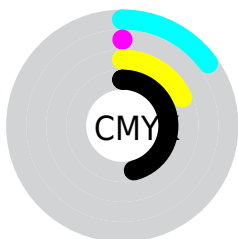
Blue (44%)



Red (44%)

Yellow (54%)

Blue (52%)

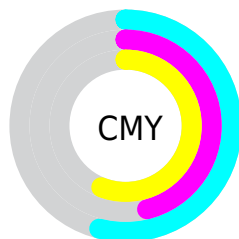


Cyan (15%)

Magenta (0%)

Yellow (18%)

Black (46%)



Cyan (54%)


Magenta (46%)


Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 15.984, 138.954 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 55, 15.984, 138.954 by changing the saturation by 10% instead.


 55, 15.984,
138.954


 55, 15.984,
138.954


 100, 15.984,
138.954


 45, 15.984,
138.954


 75, 15.984,
138.954

 35, 15.984,
138.954

 85, 15.984,
138.954

 25, 15.984,
138.954

 95, 15.984,
138.954

 15, 15.984,
138.954

 5, 15.984, 138.954

 0, 15.984, 138.954

■ 55, 15.984,
138.954

■ 55, 15.984,
138.954

■ 54, 25.152,
138.369

■ 56, 6.818, 139.482

■ 53, 34.200,
137.721

■ 57, 2.264, 319.832

■ 52, 42.972,
137.023

■ 59, 11.200,
320.275

■ 51, 51.257,
136.311

■ 60, 19.949,
320.613

■ 51, 58.781,
135.645

■ 62, 28.485,
320.898

■ 50, 65.204,
135.123

■ 64, 36.793,
321.142

■ 50, 70.156,
134.861

■ 65, 44.868,
321.348

■ 50, 73.552,

■ 67, 52.709,
321.525

134.855

■ 69, 60.321,
321.674

■ 50, 74.318,
134.807

Harmonies

Complementary

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



55, 15.984, 138.954



50, 16.095, 320.560

Rectangle

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



55, 15.984, 138.954



55, 15.984, 188.954



55, 15.984, 318.954



55, 15.984, 8.954

Sweetspot

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



55, 15.985, 138.955



72, 5.624, 139.606



55, 11.524, 100.442



37, 3.824, 139.574



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



55, 15.985, 138.955



70, 23.804, 138.731



55, 13.271, 154.399



29, 5.150, 139.397



48, 72.486, 134.778



1, 2.384, 139.800

Inverse Universe

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



50, 16.095, 320.560



63, 23.996, 320.737



50, 13.389, 336.869



27, 5.174, 320.180



27, 72.096, 322.054



0, 2.384, 319.796

Previews

White Background



This preview shows how the CIELCh color 55, 15.984, 138.954 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 55, 15.984, 138.954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

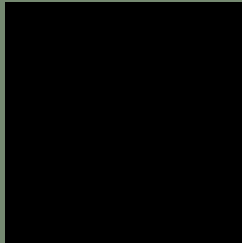
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 15.984, 138.954

Background



This preview shows how black text looks on a background with the CIELCh color 55, 15.984, 138.954.



This preview shows how white text looks on a background with the CIELCh color 55, 15.984, 138.954.

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

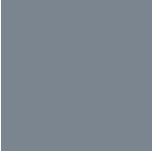
55, 15.984, 138.954

Protanopia

55, 12.468, 92.972

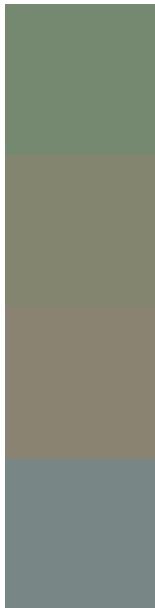
Deuteranopia

55, 11.952, 55.030



Tritanopia
55, 7.448, 257.479

Trichromacy



Original Color
55, 15.984, 138.954

Protanomaly
55, 12.583, 112.434

Deuteranomaly
55, 10.147, 92.233

Tritanomaly
55, 5.913, 187.646

Monochromacy



Original Color
55, 15.984, 138.954

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 5.408, 140.749

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 15.984, 138.954 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(117, 137, 113)` looks like.

```
.text, #text, p{  
    color:rgb(117, 137, 113)  
}
```

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(117, 137, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 137, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 15.984, 138.954 is called "border". The border property can be set on classes, ids or directly on the HTML element.

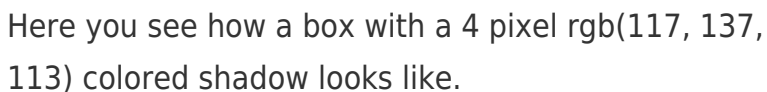
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 137, 113) }
```

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

```
.border{ border-color:rgb(117, 137, 113) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 137, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 137, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 137, 113); box-shadow:4px 4px 4px 4px rgb(117, 137, 113) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 15.984, 138.954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 137, 113) }
```

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

```
.background{ background-color: rgb(117,  
137, 113) }
```

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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