

Converting Colors

CIELCh(55, 17.699, 103.821)

Have a look what the booklet for
CIELCh(55, 17.699, 103.821)
contains.

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Color

CIELCh(55, 17.676, 103.838)

Conversions

Conversions Part 1

Format	Color
Hex	888566
RGB	136, 133, 102
RGB Percent	53%, 52%, 40%
CMY	0.4671, 0.4788, 0.6004
CMYK	0.00, 0.02, 0.25, 0.47
HSL	55°, 14%, 47%
HSV	55°, 25%, 53%
XYZ	20.9033, 22.9298, 15.8689
YIQ	130.3630, 11.7390, -9.0050

Conversions

Conversions Part 2

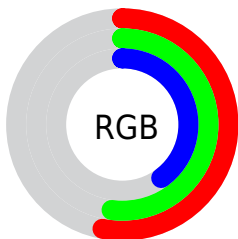
Format	Color
R_{YB}	105, 136, 102
Decimal	8947046
CIE _{Lab}	55.00, -4.23, 17.16
CIE _{LCh}	55, 17.676, 103.838
Yxy	22.9298, 0.3501, 0.3841
Android (android.graphics.Color)	4287137126 (0xFF888566)
YUV	130.3630, -13.9830, 4.9436
Hunter-Lab	47.8851, -5.8782, 13.8712

Details

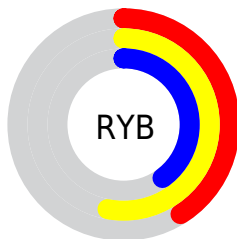
The CIELCh color $55, 17.676, 103.838$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $45, 18.507, 289.374$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 17.749, 103.354$, and $35, 17.814, 104.067$ is the 20% darker color. If you saturate the color by 10%, you get $54, 24.654, 102.814$, and if you desaturate by 10%, it is $56, 10.623, 104.864$.

Distribution



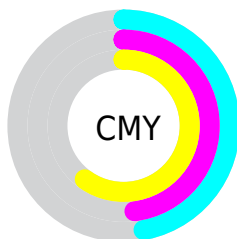
- Red (53%)
- Green (52%)
- Blue (40%)



- Red (41%)
- Yellow (53%)
- Blue (40%)



- Cyan (0%)
- Magenta (2%)
- Yellow (25%)
- Black (47%)





- Cyan (47%)
- Magenta (48%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 17.676, 103.838 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, 17.676, 103.838 by changing the saturation by 10% instead.


 55, 17.676,
103.838


 55, 17.676,
103.838


 100, 17.676,
103.838


 45, 17.676,
103.838


 75, 17.676,
103.838

 35, 17.676,
103.838

 85, 17.676,
103.838

 25, 17.676,
103.838

 95, 17.676,
103.838

 15, 17.676,
103.838

 5, 17.676, 103.838

 0, 17.676, 103.838

■ 55, 17.676,
103.838

■ 55, 17.676,
103.838

■ 54, 24.654,
102.814

■ 56, 10.623,
104.864

■ 54, 31.472,
101.792

■ 56, 3.543, 105.856

■ 53, 38.000,
100.793

■ 57, 3.532, 286.881

■ 53, 44.036, 99.835

■ 58, 10.583,
287.817

■ 52, 49.283, 98.940

■ 59, 17.597,
288.728

■ 52, 53.365, 98.122

■ 59, 24.566,
289.601

■ 52, 55.975, 97.388

■ 60, 31.486,
290.432

■ 51, 57.101, 97.038

■ 61, 38.351,
291.222

■ 62, 45.159,
291.969

Harmonies

Complementary

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



55, 17.676, 103.838



45, 18.507, 289.374

Rectangle

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



55, 17.676, 103.838



55, 17.676, 153.838



55, 17.676, 283.838



55, 17.676, 333.838

Sweetspot

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



55, 17.677, 103.843



71, 6.986, 105.549



47, 14.608, 13.469



37, 5.005, 105.414



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, 17.677, 103.843



69, 26.135, 103.263



55, 20.154, 124.285



29, 4.034, 105.451



50, 56.102, 97.052



1, 1.878, 106.371

Inverse Universe

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



45, 18.507, 289.374



55, 27.696, 290.225



46, 20.991, 306.827



27, 4.105, 287.351



15, 77.835, 304.716



0, 1.878, 286.374

Previews

White Background



This preview shows how the CIELCh color 55, 17.676, 103.838 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, 17.676, 103.838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

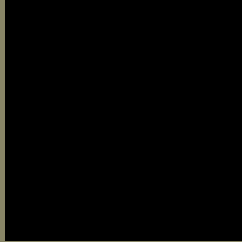
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

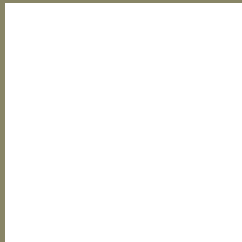
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 17.676, 103.838

Background



This preview shows how black text looks on a background with the CIELCh color 55, 17.676, 103.838.



This preview shows how white text looks on a background with the CIELCh color 55, 17.676, 103.838.

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, 17.676, 103.838

Protanopia

55, 17.657, 93.889

Deuteranopia

55, 18.125, 66.210



Tritanopia
55, 7.462, 329.861

Trichromacy



Original Color
55, 17.676, 103.838

Protanomaly
55, 17.910, 98.298

Deuteranomaly
55, 16.851, 80.772

Tritanomaly
55, 4.631, 57.718

Monochromacy



Original Color
55, 17.676, 103.838

Achromatopsia
54, 0.007, 296.813

Achromatomaly
55, 6.309, 105.689

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 17.676, 103.838 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(136, 133, 102)` looks like.

```
.text, #text, p{  
    color:rgb(136, 133, 102)  
}
```

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(136, 133, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 133, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 17.676, 103.838 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(136, 133, 102) }
```

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

```
.border{ border-color:rgb(136, 133, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 133, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 133, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 133, 102);  
box-shadow:4px 4px 4px 4px rgb(136, 133,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 17.676, 103.838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 133, 102) }
```

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

```
.background{ background-color: rgb(136,  
133, 102) }
```

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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