

Converting Colors

CIELCh(34, 16.055, 104.609)

Have a look what the booklet for
CIELCh(34, 16.055, 104.609)
contains.

CIELCh(34, 16.103, 103.968)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(34, 16.103, 103.968)

Conversions

Conversions Part 1

Format	Color
Hex	535137
RGB	83, 81, 55
RGB Percent	33%, 32%, 22%
CMY	0.6743, 0.6822, 0.7842
CMYK	0.00, 0.02, 0.34, 0.67
HSL	56°, 20%, 27%
HSV	56°, 34%, 33%
XYZ	7.2071, 8.0082, 4.7854
YIQ	78.6340, 9.5380, -7.6620

Conversions

Conversions Part 2

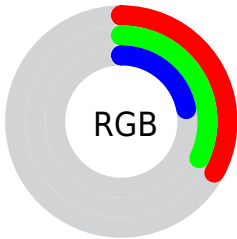
Format	Color
R_YB	57, 83, 55
Decimal	5460279
CIE Lab	34.00, -3.89, 15.63
CIE LCh	34, 16.103, 103.968
Yxy	8.0082, 0.3603, 0.4004
Android (android.graphics.Color)	4283650359 (0xFF535137)
YUV	78.6340, -11.6516, 3.8290
Hunter-Lab	28.2988, -4.0626, 9.7831




Details

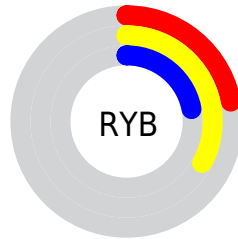
The CIELCh color **34, 16.103, 103.968** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **25, 17.163, 291.143**, and the grayscale version is **34, 0.005, 296.813**.




A 20% lighter version of the original color is **54, 16.052, 103.591**, and **14, 16.250, 103.998** is the 20% darker color. If you saturate the color by 10%, you get **34, 20.754, 103.025**, and if you desaturate by 10%, it is **34, 11.365, 104.924**.

Distribution







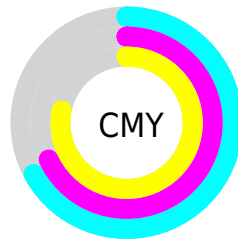
-  Red (33%)
-  Green (32%)
-  Blue (22%)






-  Red (22%)
-  Yellow (33%)
-  Blue (22%)



-  Cyan (0%)
-  Magenta (2%)
-  Yellow (34%)
-  Black (67%)




-  Cyan (67%)
-  Magenta (68%)
-  Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 16.103, 103.968 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 34, 16.103, 103.968 by changing the saturation by 10% instead.


 34, 16.103,
103.968


 34, 16.103,
103.968

 100, 16.103,
103.968


 24, 16.103,
103.968

 54, 16.103,
103.968


 14, 16.103,
103.968

 64, 16.103,
103.968

 4, 16.103, 103.968

 74, 16.103,
103.968

 0, 16.103, 103.968

 84, 16.103,
103.968

 94, 16.103,
103.968

■ 34, 16.103,
103.968

■ 34, 16.103,
103.968

■ 34, 20.754,
103.025

■ 34, 11.365,
104.924

■ 33, 25.247,
102.098

■ 35, 6.581, 105.869

■ 33, 29.481,
101.206

■ 35, 1.781, 106.781

■ 36, 3.018, 287.737

■ 33, 33.304,
100.370

■ 36, 7.804, 288.611

■ 33, 36.514, 99.608

■ 37, 12.568,
289.461

■ 32, 39.111, 98.920

■ 37, 17.306,
290.277

■ 32, 40.886, 98.494

■ 38, 22.014,
291.058

■ 38, 26.689,

Harmonies

Complementary

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



34, 16.103, 103.968



25, 17.163, 291.143

Rectangle

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



34, 16.103, 103.968



34, 16.103, 153.968



34, 16.103, 283.968



34, 16.103, 333.968

Sweetspot

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



34, 16.104, 103.972



45, 5.918, 106.184



26, 13.387, 15.627



22, 3.991, 106.112



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



34, 16.104, 103.972



43, 23.469, 103.249



34, 18.129, 124.576



16, 2.641, 106.335



40, 47.919, 98.351



85, 85.658, 98.016

Inverse Universe

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



25, 17.163, 291.143



30, 25.475, 292.348



25, 19.086, 307.804



15, 2.685, 288.010



10, 65.476, 304.629



30, 121.507, 305.593

Previews

White Background



This preview shows how the CIE LCh color 34, 16.103, 103.968 looks on a white 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 34, 16.103, 103.968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

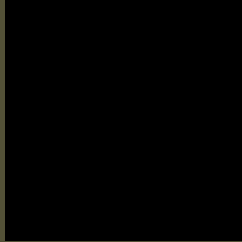
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

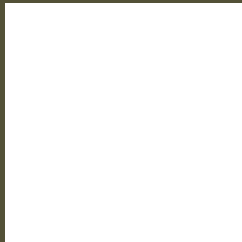
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 34, 16.103, 103.968

Background



This preview shows how black text looks on a background with the CIELCh color 34, 16.103, 103.968.



This preview shows how white text looks on a background with the CIELCh color 34, 16.103, 103.968.

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

34, 16.103, 103.968

Protanopia

34, 15.873, 95.223

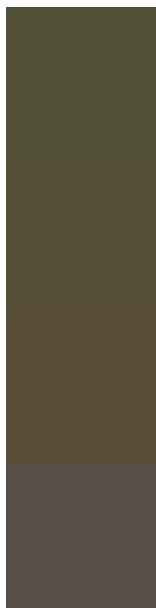
Deuteranopia

34, 15.880, 74.530



Tritanopia
34, 5.871, 331.896

Trichromacy



Original Color
34, 16.103, 103.968

Protanomaly
34, 15.772, 96.937

Deuteranomaly
34, 15.143, 83.287

Tritanomaly
34, 4.430, 64.477

Monochromacy



Original Color
34, 16.103, 103.968

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 6.244, 109.083

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 16.103, 103.968 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(83, 81, 55)` looks like.

```
.text, #text, p{  
    color:rgb(83, 81, 55)  
}
```

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(83, 81, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 81, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 16.103, 103.968 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(83, 81, 55) }
```

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

```
.border{ border-color:rgb(83, 81, 55) }
```

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

Here you see how a box with a 4 pixel rgb(83, 81, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 81, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 81, 55);  
box-shadow:4px 4px 4px 4px rgb(83, 81, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 16.103, 103.968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 81, 55) }
```

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

```
.background{ background-color: rgb(83, 81,  
55) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor