

Converting Colors

CIELCh(37, 53.582, 40.312)

Have a look what the booklet for
CIELCh(37, 53.582, 40.312) contains.

CIELCh(37, 53.682, 40.055)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(37, 53.682, 40.055)

Conversions

Conversions Part 1

Format	Color
Hex	9A3521
RGB	154, 53, 33
RGB Percent	60%, 21%, 13%
CMY	0.3958, 0.7919, 0.8704
CMYK	0.00, 0.66, 0.79, 0.40
HSL	10°, 65%, 37%
HSV	10°, 79%, 60%
XYZ	14.8898, 9.5379, 2.4986
YIQ	80.9190, 66.6160, 15.1920

Conversions

Conversions Part 2

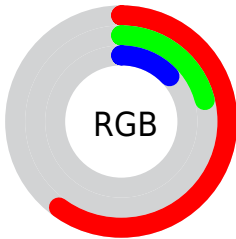
Format	Color
R_{YB}	154, 57, 33
Decimal	10106145
CIE Lab	37.00, 41.09, 34.55
CIE LCh	37, 53.682, 40.055
Yxy	9.5379, 0.5530, 0.3542
Android (android.graphics.Color)	4288296225 (0xFF9A3521)
YUV	80.9190, -23.6241, 64.0920
Hunter-Lab	30.8835, 32.0135, 16.8218

Details

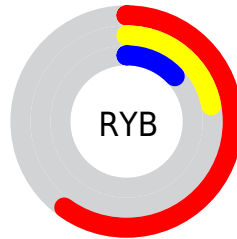
The CIELCh color **37, 53.682, 40.055** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **52, 28.047, 221.969**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 53.398, 40.204**, and **18, 47.902, 35.127** is the 20% darker color. If you saturate the color by 10%, you get **35, 61.247, 41.368**, and if you desaturate by 10%, it is **40, 45.674, 38.717**.

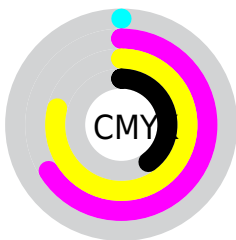
Distribution



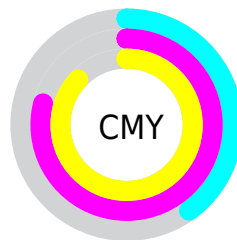
- Red (60%)
- Green (21%)
- Blue (13%)



- Red (60%)
- Yellow (22%)
- Blue (13%)



- Cyan (0%)
- Magenta (66%)
- Yellow (79%)
- Black (40%)



- Cyan (40%)
- Magenta (79%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 53.682, 40.055 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 37, 53.682, 40.055 by changing the saturation by 10% instead.

■ 37, 53.682, 40.055

■ 37, 53.682, 40.055

■ 100, 53.682,
40.055

■ 27, 53.682, 40.055

■ 57, 53.682, 40.055

■ 17, 53.682, 40.055

■ 67, 53.682, 40.055

■ 7, 53.682, 40.055

■ 77, 53.682, 40.055

■ 0, 53.682, 40.055

■ 87, 53.682, 40.055

■ 97, 53.682, 40.055

■ 37, 53.682, 40.055

■ 37, 53.682, 40.055

■ 35, 61.247, 41.368

■ 40, 45.674, 38.717

33, 67.676, 42.444

42, 37.756, 37.591

33, 68.564, 42.665

46, 30.168, 36.737

49, 23.025, 36.139

53, 16.371, 35.755

56, 10.209, 35.538

60, 4.518, 35.418

64, 0.738, 216.172

68, 5.601, 215.756

Harmonies

Complementary

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



37, 53.682, 40.055



52, 28.047, 221.969

Rectangle

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



37, 53.682, 40.055



37, 53.682, 90.055



37, 53.682, 220.055



37, 53.682, 270.055

Sweetspot

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



37, 53.680, 40.058



70, 16.840, 35.650



37, 65.568, 333.673



35, 11.821, 35.734



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



37, 53.680, 40.058



45, 80.388, 41.969



50, 48.433, 78.913



30, 2.978, 35.426



30, 63.495, 42.504



1, 3.117, 35.230

Inverse Universe

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



52, 28.047, 221.969



64, 36.130, 226.358



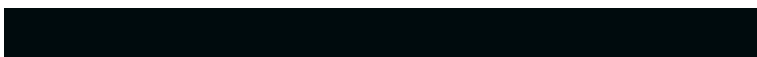
33, 49.466, 287.460



31, 2.812, 215.747



45, 27.905, 227.212



2, 3.085, 217.052

Previews

White Background



This preview shows how the CIELCh color 37, 53.682, 40.055 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 CIELCh color 37, 53.682, 40.055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

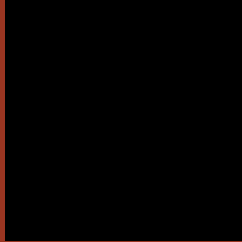
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 53.682, 40.055

Background



This preview shows how black text looks on a background with the CIELCh color 37, 53.682, 40.055.



This preview shows how white text looks on a background with the CIELCh color 37, 53.682, 40.055.

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

37, 53.682, 40.055

Protanopia

37, 27.324, 96.360

Deuteranopia

37, 37.304, 82.580



Tritanopia
37, 49.022, 27.804

Trichromacy



Original Color
37, 53.682, 40.055

Protanomaly
36, 32.006, 63.119

Deuteranomaly
37, 40.306, 61.627

Tritanomaly
37, 50.482, 32.636

Monochromacy



Original Color
37, 53.682, 40.055

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 18.323, 35.609

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 53.682, 40.055 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(154, 53, 33)` looks like.

```
.text, #text, p{  
    color:rgb(154, 53, 33)  
}
```

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(154, 53, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 53, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 53.682, 40.055 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(154, 53, 33) }
```

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

```
.border{ border-color:rgb(154, 53, 33) }
```

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

Here you see how a box with a 4 pixel rgb(154, 53, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 53, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 53, 33);  
box-shadow:4px 4px 4px 4px rgb(154, 53,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 53.682, 40.055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 53, 33) }
```

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

```
.background{ background-color: rgb(154, 53,  
33) }
```

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