

Converting Colors

CIELCh(37, 55.363, 15.250)

Have a look what the booklet for
CIELCh(37, 55.363, 15.250) contains.

CIELCh(37, 55.442, 15.710)	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, 55.442, 15.710)

Conversions

Conversions Part 1

Format	Color
Hex	A52342
RGB	165, 35, 66
RGB Percent	65%, 14%, 26%
CMY	0.3542, 0.8641, 0.7421
CMYK	0.00, 0.79, 0.60, 0.35
HSL	346°, 65%, 39%
HSV	346°, 79%, 65%
XYZ	17.0192, 9.5379, 6.0617
YIQ	77.4040, 67.5290, 37.2010

Conversions

Conversions Part 2

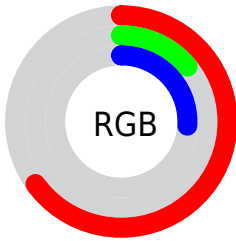
Format	Color
R_{YB}	165, 35, 66
Decimal	10822466
CIE _{Lab}	37.00, 53.37, 15.01
CIE _{LCh}	37, 55.442, 15.710
Yxy	9.5379, 0.5218, 0.2924
Android (android.graphics.Color)	4289012546 (0xFFA52342)
YUV	77.4040, -5.6222, 76.8217
Hunter-Lab	30.8835, 44.3213, 9.9813

Details

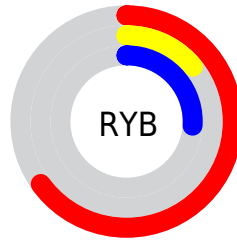
The CIELCh color **37, 55.442, 15.710** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **61, 41.920, 171.069**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 55.180, 15.563**, and **21, 46.821, 24.204** is the 20% darker color. If you saturate the color by 10%, you get **35, 60.381, 20.227**, and if you desaturate by 10%, it is **39, 49.532, 12.047**.

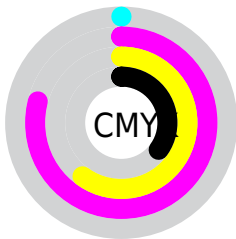
Distribution



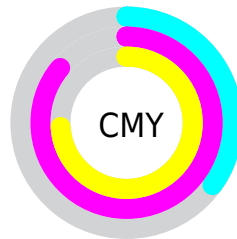
- Red (65%)
- Green (14%)
- Blue (26%)



- Red (65%)
- Yellow (14%)
- Blue (26%)



- Cyan (0%)
- Magenta (79%)
- Yellow (60%)
- Black (35%)



- Cyan (35%)
- Magenta (86%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 55.442, 15.710 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, 55.442, 15.710 by changing the saturation by 10% instead.

 37, 55.442, 15.710

 37, 55.442, 15.710

 100, 55.442,
15.710

 27, 55.442, 15.710

 57, 55.442, 15.710

 17, 55.442, 15.710

 67, 55.442, 15.710

 7, 55.442, 15.710

 77, 55.442, 15.710

 0, 55.442, 15.710

 87, 55.442, 15.710

 97, 55.442, 15.710

 37, 55.442, 15.710

 37, 55.442, 15.710

 35, 60.381, 20.227

 39, 49.532, 12.047

34, 64.634, 25.327

42, 42.801, 9.135

34, 65.100, 25.831

46, 35.529, 6.824

50, 28.012, 4.968

54, 20.496, 3.449

59, 13.149, 2.178

63, 6.072, 1.071

68, 0.688, 180.849

73, 7.114, 179.476

Harmonies

Complementary

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



37, 55.442, 15.710



61, 41.920, 171.069

Rectangle

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



37, 55.442, 15.710



37, 55.442, 65.710



37, 55.442, 195.710



37, 55.442, 245.710

Sweetspot

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



37, 55.439, 15.712



72, 20.860, 2.849



36, 76.867, 319.774



36, 14.400, 3.294



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



37, 55.439, 15.712



45, 77.367, 24.291



41, 54.623, 45.251



32, 3.810, 1.104



30, 59.129, 25.179



1, 5.751, 1.983

Inverse Universe

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



37, 55.439, 15.712



45, 77.367, 24.291



51, 29.791, 237.471



32, 3.810, 1.104



30, 59.129, 25.179



1, 5.751, 1.983

Previews

White Background



This preview shows how the CIELCh color 37, 55.442, 15.710 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 37, 55.442, 15.710 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, 55.442, 15.710

Background



This preview shows how black text looks on a background with the CIELCh color 37, 55.442, 15.710.



This preview shows how white text looks on a background with the CIELCh color 37, 55.442, 15.710.

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, 55.442, 15.710

Protanopia

38, 1.312, 309.107

Deuteranopia

38, 19.046, 75.478



Tritanopia
37, 58.637, 31.414

Trichromacy



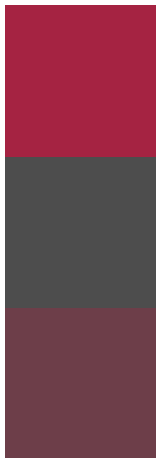
Original Color
37, 55.442, 15.710

Protanomaly
35, 22.376, 4.302

Deuteranomaly
36, 29.330, 31.161

Tritanomaly
37, 56.895, 25.972

Monochromacy



Original Color
37, 55.442, 15.710

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 22.159, 5.782

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 55.442, 15.710 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(165, 35, 66)` looks like.

```
.text, #text, p{  
    color:rgb(165, 35, 66)  
}
```

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(165, 35, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 35, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 55.442, 15.710 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(165, 35, 66) }
```

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

```
.border{ border-color:rgb(165, 35, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 35, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 35, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 35, 66);  
box-shadow:4px 4px 4px 4px rgb(165, 35,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 55.442, 15.710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 35, 66) }
```

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

```
.background{ background-color: rgb(165, 35,  
66) }
```

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