

Converting Colors

CIELCh(35, 53.886, 13.480)

Have a look what the booklet for
CIELCh(35, 53.886, 13.480) contains.

CIELCh(35, 53.937, 13.379)	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(35, 53.937, 13.379)

Conversions

Conversions Part 1

Format	Color
Hex	9D1E41
RGB	157, 30, 65
RGB Percent	62%, 12%, 25%
CMY	0.3839, 0.8818, 0.7447
CMYK	0.00, 0.81, 0.59, 0.38
HSL	343°, 68%, 37%
HSV	343°, 81%, 62%
XYZ	15.3524, 8.4984, 5.8460
YIQ	71.9630, 64.4570, 37.8090

Conversions

Conversions Part 2

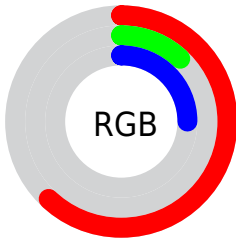
Format	Color
R_{YB}	157, 30, 65
Decimal	10296897
CIE Lab	35.00, 52.47, 12.48
CIE LCh	35, 53.937, 13.379
Yxy	8.4984, 0.5170, 0.2862
Android (android.graphics.Color)	4288486977 (0xFF9D1E41)
YUV	71.9630, -3.4328, 74.5774
Hunter-Lab	29.1520, 42.9877, 8.5167

Details

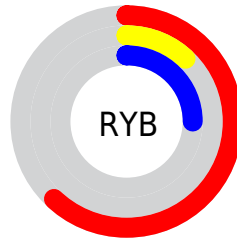
The CIELCh color **35, 53.937, 13.379** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **58, 42.547, 167.842**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 54.111, 13.676**, and **19, 44.341, 23.198** is the 20% darker color. If you saturate the color by 10%, you get **33, 58.157, 17.922**, and if you desaturate by 10%, it is **37, 48.684, 9.707**.

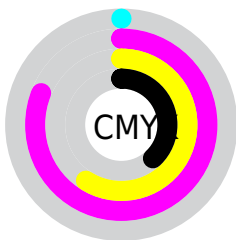
Distribution



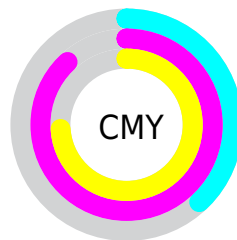
- Red (62%)
- Green (12%)
- Blue (25%)



- Red (62%)
- Yellow (12%)
- Blue (25%)



- Cyan (0%)
- Magenta (81%)
- Yellow (59%)
- Black (38%)



- Cyan (38%)
- Magenta (88%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 53.937, 13.379 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 35, 53.937, 13.379 by changing the saturation by 10% instead.

 35, 53.937, 13.379

 35, 53.937, 13.379

 100, 53.937,
13.379

 25, 53.937, 13.379

 55, 53.937, 13.379

 15, 53.937, 13.379

 65, 53.937, 13.379

 5, 53.937, 13.379

 75, 53.937, 13.379

 0, 53.937, 13.379

 85, 53.937, 13.379

 95, 53.937, 13.379

 35, 53.937, 13.379

 35, 53.937, 13.379

 33, 58.157, 17.922

 37, 48.684, 9.707

33, 61.551, 22.535

40, 42.515, 6.789

43, 35.698, 4.470

47, 28.536, 2.603

51, 21.287, 1.069

55, 14.135,
359.781

60, 7.195, 358.664

64, 0.531, 357.011

69, 5.834, 177.016

Harmonies

Complementary

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



35, 53.937, 13.379



58, 42.547, 167.842

Rectangle

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



35, 53.937, 13.379



35, 53.937, 63.379



35, 53.937, 193.379



35, 53.937, 243.379

Sweetspot

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



35, 53.934, 13.381



69, 20.300, 0.228



33, 75.302, 318.720



34, 13.992, 0.655



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



35, 53.934, 13.381



43, 73.955, 22.150



38, 54.896, 43.250



31, 3.770, 358.498



29, 57.225, 22.017



1, 4.806, 358.715

Inverse Universe

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



35, 53.934, 13.381



43, 73.955, 22.150



50, 28.710, 231.866



31, 3.770, 358.498



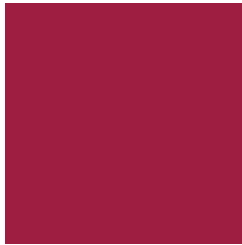
29, 57.225, 22.017



1, 4.806, 358.715

Previews

White Background



This preview shows how the CIELCh color 35, 53.937, 13.379 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 35, 53.937, 13.379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

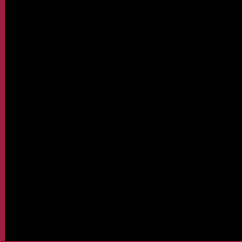
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 53.937, 13.379

Background



This preview shows how black text looks on a background with the CIELCh color 35, 53.937, 13.379.



This preview shows how white text looks on a background with the CIELCh color 35, 53.937, 13.379.

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

35, 53.937, 13.379

Protanopia

36, 4.387, 296.341

Deuteranopia

36, 16.348, 71.880



Tritanopia
35, 56.790, 31.520

Trichromacy



Original Color
35, 53.937, 13.379

Protanomaly
33, 22.926, 356.488

Deuteranomaly
34, 28.259, 25.668

Tritanomaly
35, 54.807, 25.256

Monochromacy



Original Color
35, 53.937, 13.379

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 22.050, 4.001

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 53.937, 13.379 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(157, 30, 65)` looks like.

```
.text, #text, p{  
    color:rgb(157, 30, 65)  
}
```

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(157, 30, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 30, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 53.937, 13.379 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(157, 30, 65) }
```

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

```
.border{ border-color:rgb(157, 30, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 30, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 30, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 30, 65);  
box-shadow:4px 4px 4px 4px rgb(157, 30,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 53.937, 13.379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 30, 65) }
```

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

```
.background{ background-color: rgb(157, 30,  
65) }
```

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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