

Converting Colors

CIELCh(35, 63.303, 42.446)

Have a look what the booklet for
CIELCh(35, 63.303, 42.446) contains.

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Color

CIELCh(35, 63.131, 42.385)

Conversions

Conversions Part 1

Format	Color
Hex	9B270D
RGB	155, 39, 13
RGB Percent	61%, 15%, 5%
CMY	0.3910, 0.8459, 0.9480
CMYK	0.00, 0.75, 0.91, 0.39
HSL	11°, 84%, 33%
HSV	11°, 91%, 61%
XYZ	14.3852, 8.4984, 1.2714
YIQ	70.7200, 77.4820, 16.5060

Conversions

Conversions Part 2

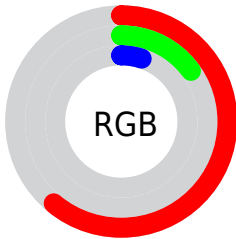
Format	Color
R_{YB}	155, 45, 13
Decimal	10168077
CIE Lab	35.00, 46.63, 42.56
CIE LCh	35, 63.131, 42.385
Yxy	8.4984, 0.5955, 0.3518
Android (android.graphics.Color)	4288358157 (0xFF9B270D)
YUV	70.7200, -28.4560, 73.9136
Hunter-Lab	29.1520, 37.0656, 17.8206

Details

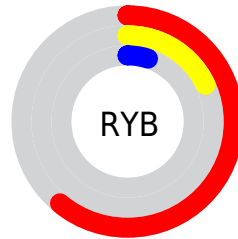
The CIELCh color **35, 63.131, 42.385** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **50, 29.525, 228.693**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 63.143, 42.288**, and **18, 47.465, 34.974** is the 20% darker color. If you saturate the color by 10%, you get **34, 68.554, 43.207**, and if you desaturate by 10%, it is **37, 55.826, 41.417**.

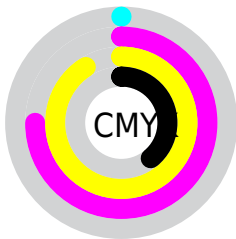
Distribution



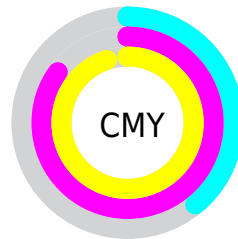
- Red (61%)
- Green (15%)
- Blue (5%)



- Red (61%)
- Yellow (18%)
- Blue (5%)



- Cyan (0%)
- Magenta (75%)
- Yellow (91%)
- Black (39%)



- Cyan (39%)
- Magenta (85%)
- Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 63.131, 42.385 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, 63.131, 42.385 by changing the saturation by 10% instead.

 35, 63.131, 42.385

 35, 63.131, 42.385

 100, 63.131,
42.385

 25, 63.131, 42.385

 55, 63.131, 42.385

 15, 63.131, 42.385

 65, 63.131, 42.385

 5, 63.131, 42.385

 75, 63.131, 42.385

 0, 63.131, 42.385

 85, 63.131, 42.385

 95, 63.131, 42.385

 35, 63.131, 42.385

 35, 63.131, 42.385

 34, 68.554, 43.207

 37, 55.826, 41.417

■ 39, 47.853, 40.256

■ 42, 39.873, 39.236

■ 45, 32.187, 38.454

■ 49, 24.933, 37.914

■ 52, 18.167, 37.586

■ 56, 11.896, 37.425

■ 60, 6.101, 37.379

■ 64, 0.749, 36.943

Harmonies

Complementary

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



35, 63.131, 42.385



50, 29.525, 228.693

Rectangle

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



35, 63.131, 42.385



35, 63.131, 92.385



35, 63.131, 222.385



35, 63.131, 272.385

Sweetspot

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



35, 63.129, 42.387



69, 18.958, 37.505



36, 68.210, 336.247



35, 13.043, 37.567



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, 63.129, 42.387



44, 83.812, 42.878



50, 54.675, 79.380



30, 2.943, 37.373



30, 63.091, 43.082



1, 3.082, 37.211

Inverse Universe

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



50, 29.525, 228.693



62, 36.566, 232.165



28, 62.037, 294.213



31, 2.782, 217.845



44, 27.954, 231.050



2, 3.053, 219.133

Previews

White Background



This preview shows how the CIELCh color 35, 63.131, 42.385 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, 63.131, 42.385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

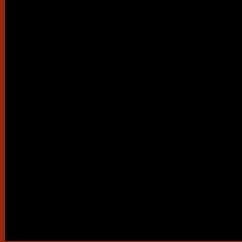
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 63.131, 42.385

Background



This preview shows how black text looks on a background with the CIELCh color 35, 63.131, 42.385.



This preview shows how white text looks on a background with the CIELCh color 35, 63.131, 42.385.

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, 63.131, 42.385

Protanopia

36, 35.117, 95.893

Deuteranopia

35, 44.069, 84.139



Tritanopia
35, 56.790, 31.520

Trichromacy



Original Color
35, 63.131, 42.385

Protanomaly
34, 39.590, 65.100

Deuteranomaly
34, 47.636, 62.889

Tritanomaly
35, 59.157, 36.226

Monochromacy



Original Color
35, 63.131, 42.385

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 22.505, 37.411

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 63.131, 42.385 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(155, 39, 13)` looks like.

```
.text, #text, p{  
    color:rgb(155, 39, 13)  
}
```

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(155, 39, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 39, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 63.131, 42.385 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(155, 39, 13) }
```

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

```
.border{ border-color:rgb(155, 39, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 39, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 39, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 39, 13);  
box-shadow:4px 4px 4px 4px rgb(155, 39,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 63.131, 42.385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 39, 13) }
```

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

```
.background{ background-color: rgb(155, 39,  
13) }
```

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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