

Converting Colors

CIELCh(36, 35.572, 25.801)

Have a look what the booklet for
CIELCh(36, 35.572, 25.801) contains.

CIELCh(36, 35.097, 25.695)	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(36, 35.097, 25.695)

Conversions

Conversions Part 1

Format	Color
Hex	883E3E
RGB	136, 62, 62
RGB Percent	53%, 24%, 24%
CMY	0.4671, 0.7572, 0.7572
CMYK	0.00, 0.54, 0.54, 0.47
HSL	360°, 37%, 39%
HSV	360°, 54%, 53%
XYZ	12.7218, 9.0082, 5.6137
YIQ	84.1260, 44.1040, 15.6880

Conversions

Conversions Part 2

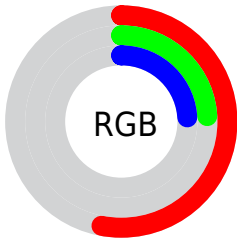
Format	Color
R _Y B	136, 62, 62
Decimal	8928830
CIE Lab	36.00, 31.63, 15.22
CIE LCh	36, 35.097, 25.695
Yxy	9.0082, 0.4653, 0.3294
Android (android.graphics.Color)	4287118910 (0xFF883E3E)
YUV	84.1260, -10.9081, 45.4935
Hunter-Lab	30.0136, 23.1366, 9.9200

Details

The CIELCh color **36, 35.097, 25.695** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **52, 23.830, 197.085**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 35.277, 26.261**, and **16, 35.100, 25.928** is the 20% darker color. If you saturate the color by 10%, you get **33, 42.444, 28.127**, and if you desaturate by 10%, it is **39, 27.851, 23.797**.

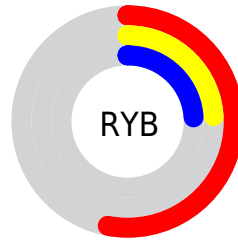
Distribution



Red (53%)

Green (24%)

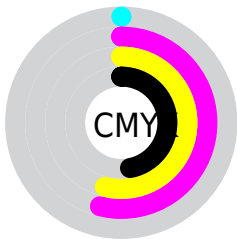
Blue (24%)



Red (53%)

Yellow (24%)

Blue (24%)

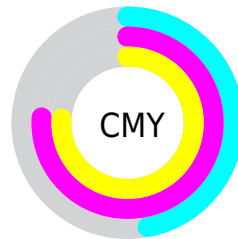


Cyan (0%)

Magenta (54%)

Yellow (54%)

Black (47%)



Cyan (47%)

Magenta (76%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 35.097, 25.695 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 36, 35.097, 25.695 by changing the saturation by 10% instead.

36, 35.097, 25.695

36, 35.097, 25.695

100, 35.097,
25.695

26, 35.097, 25.695

56, 35.097, 25.695

16, 35.097, 25.695

66, 35.097, 25.695

6, 35.097, 25.695

76, 35.097, 25.695

0, 35.097, 25.695

86, 35.097, 25.695

96, 35.097, 25.695

36, 35.097, 25.695

36, 35.097, 25.695

33, 42.444, 28.127

39, 27.851, 23.797

■ 31, 49.662, 31.123

■ 43, 20.882, 22.326

■ 29, 56.405, 34.543

■ 47, 14.293, 21.188

■ 28, 61.859, 37.599

■ 51, 8.132, 20.293

■ 27, 64.423, 38.837

■ 55, 2.407, 19.490

■ 59, 2.900, 199.270

■ 63, 7.822, 198.753

■ 67, 12.396,
198.391

■ 72, 16.661,
198.105

Harmonies

Complementary

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



36, 35.097, 25.695



52, 23.830, 197.085

Rectangle

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



36, 35.097, 25.695



36, 35.097, 75.695



36, 35.097, 205.695



36, 35.097, 255.695

Sweetspot

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



36, 35.095, 25.698



64, 11.208, 20.449



38, 50.251, 326.646



32, 7.678, 20.599



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



36, 35.095, 25.698



43, 53.042, 28.674



45, 28.585, 67.168



27, 3.148, 19.882



27, 63.128, 38.657



0, 1.414, 19.403

Inverse Universe

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



36, 35.095, 25.698



43, 53.042, 28.674



41, 24.101, 263.776



27, 3.148, 19.882



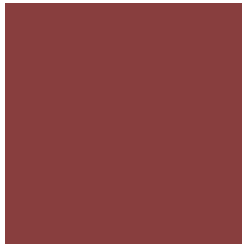
27, 63.128, 38.657



0, 1.414, 19.403

Previews

White Background



This preview shows how the CIELCh color 36, 35.097, 25.695 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 36, 35.097, 25.695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

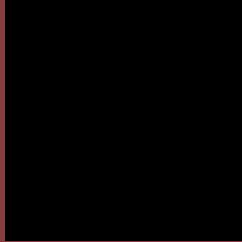
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 35.097, 25.695

Background



This preview shows how black text looks on a background with the CIELCh color 36, 35.097, 25.695.



This preview shows how white text looks on a background with the CIELCh color 36, 35.097, 25.695.

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

36, 35.097, 25.695

Protanopia

36, 7.740, 91.976

Deuteranopia

36, 17.309, 73.993



Tritanopia
36, 34.872, 21.054

Trichromacy



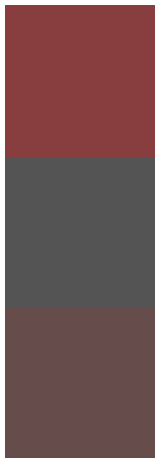
Original Color
36, 35.097, 25.695

Protanomaly
36, 15.031, 40.316

Deuteranomaly
36, 21.431, 46.983

Tritanomaly
36, 35.002, 22.032

Monochromacy



Original Color
36, 35.097, 25.695

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 12.255, 21.293

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 35.097, 25.695 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(136, 62, 62)` looks like.

```
.text, #text, p{  
    color:rgb(136, 62, 62)  
}
```

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(136, 62, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 62, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 35.097, 25.695 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(136, 62, 62) }
```

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

```
.border{ border-color:rgb(136, 62, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 62, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 62, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 62, 62);  
box-shadow:4px 4px 4px 4px rgb(136, 62,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 35.097, 25.695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 62, 62) }
```

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

```
.background{ background-color: rgb(136, 62,  
62) }
```

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