

Converting Colors

CIELCh(38, 63.152, 32.816)

Have a look what the booklet for
CIELCh(38, 63.152, 32.816) contains.

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Color

CIELCh(38, 63.225, 32.962)

Conversions

Conversions Part 1

Format	Color
Hex	AB2525
RGB	171, 37, 37
RGB Percent	67%, 15%, 15%
CMY	0.3300, 0.8555, 0.8553
CMYK	0.00, 0.78, 0.78, 0.33
HSL	360°, 65%, 41%
HSV	360°, 78%, 67%
XYZ	17.7519, 10.0881, 2.7534
YIQ	77.0660, 79.8640, 28.4080

Conversions

Conversions Part 2

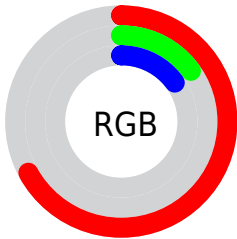
Format	Color
R_{YB}	171, 37, 37
Decimal	11216165
CIE Lab	38.00, 53.05, 34.40
CIE LCh	38, 63.225, 32.962
Yxy	10.0881, 0.5803, 0.3297
Android (android.graphics.Color)	4289406245 (0xFFAB2525)
YUV	77.0660, -19.7525, 82.3801
Hunter-Lab	31.7617, 44.1822, 17.0934

Details

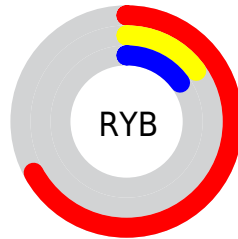
The CIELCh color **38, 63.225, 32.962** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **64, 34.957, 196.516**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 63.124, 32.659**, and **22, 54.329, 36.989** is the 20% darker color. If you saturate the color by 10%, you get **36, 70.721, 36.479**, and if you desaturate by 10%, it is **40, 54.768, 29.635**.

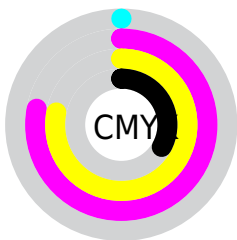
Distribution



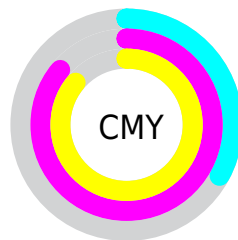
- Red (67%)
- Green (15%)
- Blue (15%)



- Red (67%)
- Yellow (15%)
- Blue (15%)



- Cyan (0%)
- Magenta (78%)
- Yellow (78%)
- Black (33%)



- Cyan (33%)
- Magenta (86%)
- Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 63.225, 32.962 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 38, 63.225, 32.962 by changing the saturation by 10% instead.

 38, 63.225, 32.962

 38, 63.225, 32.962

 100, 63.225,
32.962

 28, 63.225, 32.962

 58, 63.225, 32.962

 18, 63.225, 32.962

 68, 63.225, 32.962

 8, 63.225, 32.962

 78, 63.225, 32.962

 0, 63.225, 32.962

 88, 63.225, 32.962

 98, 63.225, 32.962

 38, 63.225, 32.962

 38, 63.225, 32.962

 36, 70.721, 36.479

 40, 54.768, 29.635

35, 76.448, 39.440

44, 45.953, 26.854

35, 77.337, 39.886

47, 37.127, 24.655

52, 28.546, 22.955

56, 20.379, 21.649

61, 12.719, 20.636

66, 5.596, 19.815

71, 1.003, 199.790

76, 7.111, 198.895

Harmonies

Complementary

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



38, 63.225, 32.962



64, 34.957, 196.516

Rectangle

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



38, 63.225, 32.962



38, 63.225, 82.962



38, 63.225, 212.962



38, 63.225, 262.962

Sweetspot

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



38, 63.223, 32.964



74, 20.963, 21.214



42, 78.689, 327.394



37, 14.707, 21.588



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



38, 63.223, 32.964



47, 90.961, 38.607



50, 51.578, 63.845



34, 3.818, 19.885



31, 69.971, 39.435



2, 7.802, 19.384

Inverse Universe

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



38, 63.223, 32.964



47, 90.961, 38.607



44, 40.766, 272.605



34, 3.818, 19.885



31, 69.971, 39.435



2, 7.802, 19.384

Previews

White Background



This preview shows how the CIELCh color 38, 63.225, 32.962 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 × Fail

Black Background



This preview shows how the CIE LCh color 38, 63.225, 32.962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 38, 63.225, 32.962

Background



This preview shows how black text looks on a background with the CIELCh color 38, 63.225, 32.962.



This preview shows how white text looks on a background with the CIELCh color 38, 63.225, 32.962.

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

38, 63.225, 32.962

Protanopia

39, 23.195, 96.915

Deuteranopia

38, 37.922, 82.233



Tritanopia
38, 63.225, 32.962

Trichromacy



Original Color
38, 63.225, 32.962

Protanomaly
36, 31.828, 49.573

Deuteranomaly
37, 43.306, 53.618

Tritanomaly
38, 63.225, 32.962

Monochromacy



Original Color
38, 63.225, 32.962

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 23.345, 23.601

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 63.225, 32.962 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(171, 37, 37)` looks like.

```
.text, #text, p{  
    color:rgb(171, 37, 37)  
}
```

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(171, 37, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 37, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 63.225, 32.962 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(171, 37, 37) }
```

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

```
.border{ border-color:rgb(171, 37, 37) }
```

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

Here you see how a box with a 4 pixel rgb(171, 37, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 37, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 37, 37);  
box-shadow:4px 4px 4px 4px rgb(171, 37,  
37) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 63.225, 32.962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 37, 37) }
```

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

```
.background{ background-color: rgb(171, 37,  
37) }
```

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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