

Converting Colors

CIELCh(38, 75.652, 34.657)

Have a look what the booklet for
CIELCh(38, 75.652, 34.657) contains.

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Color

CIELCh(38, 75.460, 34.548)

Conversions

Conversions Part 1

Format	Color
Hex	B60317
RGB	182, 3, 23
RGB Percent	71%, 1%, 9%
CMY	0.2859, 0.9873, 0.9096
CMYK	0.00, 0.98, 0.87, 0.29
HSL	353°, 96%, 36%
HSV	353°, 98%, 71%
XYZ	19.5031, 10.0881, 1.7332
YIQ	58.8010, 100.2640, 44.1680

Conversions

Conversions Part 2

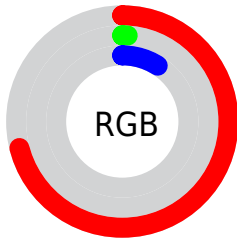
Format	Color
RYB	182, 3, 23
Decimal	11928343
CIELab	38.00, 62.15, 42.79
CIELCh	38, 75.460, 34.548
Yxy	10.0881, 0.6226, 0.3221
Android (android.graphics.Color)	4290118423 (0xFFB60317)
YUV	58.8010, -17.6499, 108.0455
Hunter-Lab	31.7617, 54.0238, 18.9978

Details

The CIELCh color **38, 75.460, 34.548** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **67, 43.058, 181.139**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **58, 75.455, 34.589**, and **23, 57.652, 37.721** is the 20% darker color. If you saturate the color by 10%, you get **38, 76.462, 35.225**, and if you desaturate by 10%, it is **39, 69.469, 30.040**.

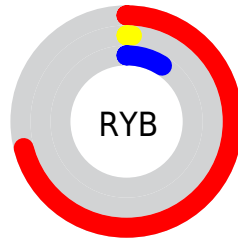
Distribution



Red (71%)

Green (1%)

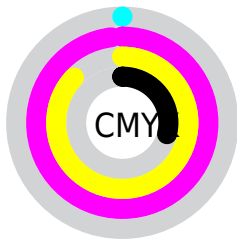
Blue (9%)



Red (71%)

Yellow (1%)

Blue (9%)

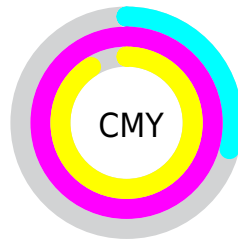


Cyan (0%)

Magenta (98%)

Yellow (87%)

Black (29%)



Cyan (29%)

Magenta (99%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 75.460, 34.548 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, 75.460, 34.548 by changing the saturation by 10% instead.

 38, 75.460, 34.548

 38, 75.460, 34.548

 100, 75.460,
34.548

 28, 75.460, 34.548

 58, 75.460, 34.548

 18, 75.460, 34.548

 68, 75.460, 34.548

 8, 75.460, 34.548

 78, 75.460, 34.548

 0, 75.460, 34.548

 88, 75.460, 34.548

 98, 75.460, 34.548

 38, 75.460, 34.548

 38, 75.460, 34.548

 38, 76.462, 35.225

 39, 69.469, 30.040

41, 62.510, 25.646

43, 54.773, 21.901

47, 46.496, 18.880

51, 37.962, 16.495

55, 29.450, 14.615

60, 21.173, 13.118

65, 13.267, 11.904

70, 5.798, 10.873

Harmonies

Complementary

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



38, 75.460, 34.548



67, 43.058, 181.139

Rectangle

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



38, 75.460, 34.548



38, 75.460, 84.548



38, 75.460, 214.548



38, 75.460, 264.548

Sweetspot

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



38, 75.457, 34.550



76, 27.070, 13.291



40, 90.081, 323.777



38, 18.944, 13.905



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



38, 75.457, 34.550



50, 94.051, 36.011



45, 69.008, 52.330



36, 4.039, 10.986



32, 67.609, 34.627



2, 10.728, 12.697

Inverse Universe

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



38, 75.457, 34.550



50, 94.051, 36.011



46, 43.577, 269.079



36, 4.039, 10.986



32, 67.609, 34.627



2, 10.728, 12.697

Previews

White Background



This preview shows how the CIELCh color 38, 75.460, 34.548 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 CIELCh color 38, 75.460, 34.548 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, 75.460, 34.548

Background



This preview shows how black text looks on a background with the CIELCh color 38, 75.460, 34.548.



This preview shows how white text looks on a background with the CIELCh color 38, 75.460, 34.548.

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, 75.460, 34.548

Protanopia

39, 31.037, 96.096

Deuteranopia

39, 47.015, 84.326



Tritanopia
38, 79.438, 41.103

Trichromacy



Original Color
38, 75.460, 34.548

Protanomaly
34, 41.440, 46.320

Deuteranomaly
35, 54.387, 52.577

Tritanomaly
38, 78.013, 38.971

Monochromacy



Original Color
38, 75.460, 34.548

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 31.615, 19.411

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 75.460, 34.548 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(182, 3, 23)` looks like.

```
.text, #text, p{  
  color:rgb(182, 3, 23)  
}
```

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(182, 3, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 3, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 75.460, 34.548 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(182, 3, 23) }
```

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

```
.border{ border-color:rgb(182, 3, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 3, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 3, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 3, 23);  
box-shadow:4px 4px 4px 4px rgb(182, 3, 23)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 75.460, 34.548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 3, 23) }
```

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

```
.background{ background-color: rgb(182, 3,  
23) }
```

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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