

Converting Colors

CIELCh(38, 61.846, 52.581)

Have a look what the booklet for
CIELCh(38, 61.846, 52.581) contains.

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Color

CIELCh(38, 62.084, 52.416)

Conversions

Conversions Part 1

Format	Color
Hex	9B3B00
RGB	155, 59, 0
RGB Percent	61%, 23%, 0%
CMY	0.3923, 0.7688, 1.0000
CMYK	0.00, 0.62, 1.00, 0.39
HSL	23°, 100%, 30%
HSV	23°, 100%, 61%
XYZ	15.0707, 10.0881, 1.1518
YIQ	80.9780, 76.1550, 2.0030

Conversions

Conversions Part 2

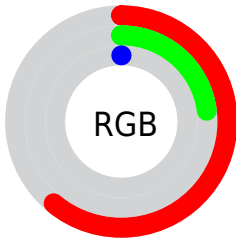
Format	Color
RYB	155, 95, 0
Decimal	10173184
CIELab	38.00, 37.87, 49.20
CIELCh	38, 62.084, 52.416
Yxy	10.0881, 0.5728, 0.3834
Android (android.graphics.Color)	4288363264 (0xFF9B3B00)
YUV	80.9780, -39.9222, 64.9173
Hunter-Lab	31.7617, 29.1139, 20.0830

Details

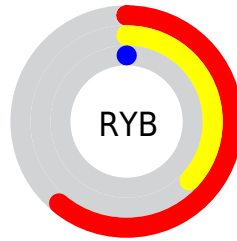
The CIELCh color **38, 62.084, 52.416** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **39, 38.676, 268.815**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 61.967, 52.598**, and **18, 47.416, 36.062** is the 20% darker color. If you saturate the color by 10%, you get **38, 62.073, 52.411**, and if you desaturate by 10%, it is **40, 56.317, 53.744**.

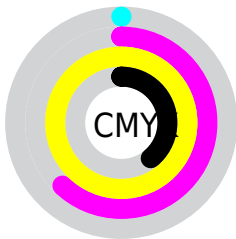
Distribution



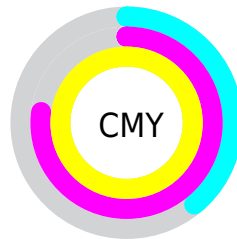
- Red (61%)
- Green (23%)
- Blue (0%)



- Red (61%)
- Yellow (37%)
- Blue (0%)



- Cyan (0%)
- Magenta (62%)
- Yellow (100%)
- Black (39%)



- Cyan (39%)
- Magenta (77%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 62.084, 52.416 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, 62.084, 52.416 by changing the saturation by 10% instead.

■ 38, 62.084, 52.416

■ 38, 62.084, 52.416

■ 100, 62.084,
52.416

■ 28, 62.084, 52.416

■ 58, 62.084, 52.416

■ 18, 62.084, 52.416

■ 68, 62.084, 52.416

■ 8, 62.084, 52.416

■ 78, 62.084, 52.416

■ 0, 62.084, 52.416

■ 88, 62.084, 52.416

■ 98, 62.084, 52.416

■ 38, 62.084, 52.416

■ 38, 62.084, 52.416

■ 38, 62.073, 52.411

■ 40, 56.317, 53.744

42, 49.801, 54.888

44, 42.718, 55.700

47, 35.618, 56.422

50, 28.763, 57.157

52, 22.263, 57.939

55, 16.149, 58.772

58, 10.417, 59.644

61, 5.043, 60.522

Harmonies

Complementary

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



38, 62.084, 52.416



39, 38.676, 268.815

Rectangle

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



38, 62.084, 52.416



38, 62.084, 102.416



38, 62.084, 232.416



38, 62.084, 282.416

Sweetspot

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



38, 62.073, 52.411



70, 20.038, 58.722



34, 61.374, 349.686



36, 13.961, 58.390



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



38, 62.073, 52.411



49, 75.893, 51.658



56, 61.056, 93.562



31, 2.813, 60.588



34, 57.544, 52.750



2, 2.962, 60.742

Inverse Universe

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



39, 38.676, 268.815



51, 47.664, 269.900



20, 85.067, 304.007



31, 2.708, 242.559



35, 35.732, 268.327



2, 2.976, 242.807

Previews

White Background



This preview shows how the CIELCh color 38, 62.084, 52.416 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, 62.084, 52.416 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, 62.084, 52.416

Background



This preview shows how black text looks on a background with the CIELCh color 38, 62.084, 52.416.



This preview shows how white text looks on a background with the CIELCh color 38, 62.084, 52.416.

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, 62.084, 52.416

Protanopia

38, 41.364, 95.822

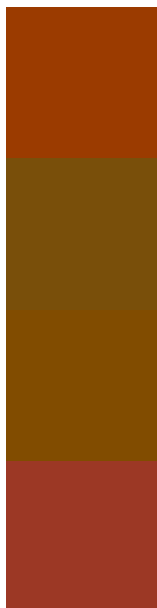
Deuteranopia

38, 46.511, 84.746



Tritanopia
38, 47.179, 26.397

Trichromacy



Original Color
38, 62.084, 52.416

Protanomaly
37, 44.627, 74.230

Deuteranomaly
38, 49.943, 69.514

Tritanomaly
38, 52.581, 39.425

Monochromacy



Original Color
38, 62.084, 52.416

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 22.205, 56.587

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 62.084, 52.416 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, 59, 0)` looks like.

```
.text, #text, p{  
    color:rgb(155, 59, 0)  
}
```

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, 59, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 59, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 62.084, 52.416 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, 59, 0) }
```

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

```
.border{ border-color:rgb(155, 59, 0) }
```

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

Here you see how a box with a 4 pixel rgb(155, 59, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 59, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 59, 0);  
box-shadow:4px 4px 4px 4px rgb(155, 59, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 62.084, 52.416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 59, 0) }
```

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

```
.background{ background-color: rgb(155, 59,  
0) }
```

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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