

Converting Colors

CIELCh(38, 51.793, 46.656)

Have a look what the booklet for
CIELCh(38, 51.793, 46.656) contains.

CIELCh(38, 51.682, 46.649)	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(38, 51.682, 46.649)

Conversions

Conversions Part 1

Format	Color
Hex	973E1D
RGB	151, 62, 29
RGB Percent	59%, 24%, 11%
CMY	0.4084, 0.7573, 0.8867
CMYK	0.00, 0.59, 0.81, 0.41
HSL	16°, 68%, 35%
HSV	16°, 81%, 59%
XYZ	14.6751, 10.0881, 2.3295
YIQ	84.8490, 63.6370, 8.6050

Conversions

Conversions Part 2

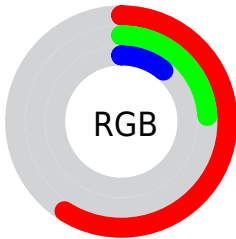
Format	Color
RYB	151, 74, 29
Decimal	9911837
CIELab	38.00, 35.48, 37.58
CIElCh	38, 51.682, 46.649
Yxy	10.0881, 0.5417, 0.3724
Android (android.graphics.Color)	4288101917 (0xFF973E1D)
YUV	84.8490, -27.5336, 58.0144
Hunter-Lab	31.7617, 26.8910, 17.8846

Details

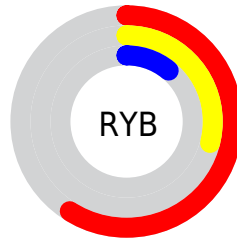
The CIELCh color **38, 51.682, 46.649** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **46, 28.509, 241.632**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 51.978, 46.492**, and **18, 45.137, 37.666** is the 20% darker color. If you saturate the color by 10%, you get **36, 58.678, 46.591**, and if you desaturate by 10%, it is **40, 44.161, 46.458**.

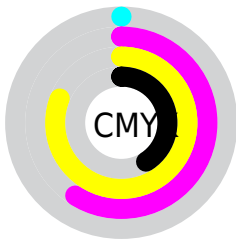
Distribution



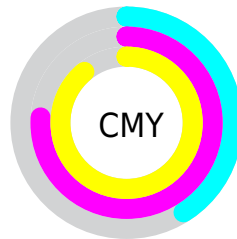
- Red (59%)
- Green (24%)
- Blue (11%)



- Red (59%)
- Yellow (29%)
- Blue (11%)



- Cyan (0%)
- Magenta (59%)
- Yellow (81%)
- Black (41%)



- Cyan (41%)
- Magenta (76%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 51.682, 46.649 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, 51.682, 46.649 by changing the saturation by 10% instead.

■ 38, 51.682, 46.649

■ 38, 51.682, 46.649

■ 100, 51.682,
46.649

■ 28, 51.682, 46.649

■ 58, 51.682, 46.649

■ 18, 51.682, 46.649

■ 68, 51.682, 46.649

■ 8, 51.682, 46.649

■ 78, 51.682, 46.649

■ 0, 51.682, 46.649

■ 88, 51.682, 46.649

■ 98, 51.682, 46.649

■ 38, 51.682, 46.649

■ 38, 51.682, 46.649

■ 36, 58.678, 46.591

■ 40, 44.161, 46.458

34, 64.482, 46.551

43, 36.701, 46.288

46, 29.560, 46.242

49, 22.845, 46.339

52, 16.587, 46.567

55, 10.780, 46.901

59, 5.397, 47.298

62, 0.402, 46.831

66, 4.242, 228.526

Harmonies

Complementary

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



38, 51.682, 46.649



46, 28.509, 241.632

Rectangle

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



38, 51.682, 46.649



38, 51.682, 96.649



38, 51.682, 226.649



38, 51.682, 276.649

Sweetspot

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



38, 51.680, 46.652



69, 15.604, 46.769



36, 60.492, 339.593



35, 10.945, 46.660



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



38, 51.680, 46.652



45, 76.932, 46.047



53, 51.283, 88.228



31, 2.827, 47.361



32, 60.821, 46.607



1, 2.966, 47.358

Inverse Universe

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



46, 28.509, 241.632



56, 38.056, 249.258



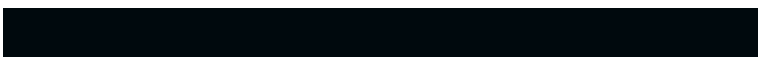
28, 59.807, 295.174



31, 2.687, 228.570



40, 29.835, 249.230



2, 2.956, 229.437

Previews

White Background



This preview shows how the CIELCh color 38, 51.682, 46.649 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, 51.682, 46.649 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, 51.682, 46.649

Background



This preview shows how black text looks on a background with the CIELCh color 38, 51.682, 46.649.



This preview shows how white text looks on a background with the CIELCh color 38, 51.682, 46.649.

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, 51.682, 46.649

Protanopia

38, 31.711, 95.142

Deuteranopia

38, 39.981, 82.976



Tritanopia
38, 43.694, 24.637

Trichromacy



Original Color
38, 51.682, 46.649

Protanomaly
37, 34.852, 70.573

Deuteranomaly
38, 41.763, 66.555

Tritanomaly
38, 46.134, 33.674

Monochromacy



Original Color
38, 51.682, 46.649

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 17.163, 46.597

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 51.682, 46.649 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(151, 62, 29)` looks like.

```
.text, #text, p{  
    color:rgb(151, 62, 29)  
}
```

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(151, 62, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 62, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 51.682, 46.649 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(151, 62, 29) }
```

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

```
.border{ border-color:rgb(151, 62, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 62, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 62, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 62, 29);  
box-shadow:4px 4px 4px 4px rgb(151, 62,  
29) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 51.682, 46.649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 62, 29) }
```

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

```
.background{ background-color: rgb(151, 62,  
29) }
```

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