

Converting Colors

CIELCh(38, 76.553, 35.345)

Have a look what the booklet for
CIELCh(38, 76.553, 35.345) contains.

CIELCh(38, 76.758, 35.391)	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, 76.758, 35.391)

Conversions

Conversions Part 1

Format	Color
Hex	B70014
RGB	183, 0, 20
RGB Percent	72%, 0%, 8%
CMY	0.2835, 0.9986, 0.9224
CMYK	0.00, 1.00, 0.89, 0.28
HSL	354°, 100%, 36%
HSV	354°, 100%, 72%
XYZ	19.5869, 10.0881, 1.5671
YIQ	56.9970, 102.6480, 45.0160

Conversions

Conversions Part 2

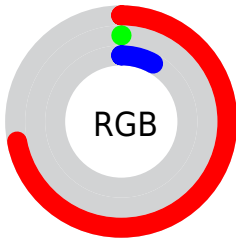
Format	Color
RYB	183, 0, 20
Decimal	11993108
CIELab	38.00, 62.57, 44.45
CIElCh	38, 76.758, 35.391
Yxy	10.0881, 0.6269, 0.3229
Android (android.graphics.Color)	4290183188 (0xFFB70014)
YUV	56.9970, -18.2395, 110.5046
Hunter-Lab	31.7617, 54.4948, 19.3079

Details

The CIELCh color **38, 76.758, 35.391** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **67, 43.152, 181.461**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **58, 76.882, 35.365**, and **24, 58.063, 37.802** is the 20% darker color. If you saturate the color by 10%, you get **38, 76.860, 35.460**, and if you desaturate by 10%, it is **39, 70.863, 31.066**.

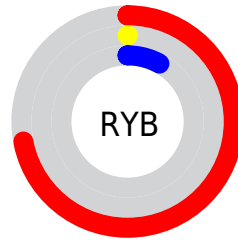
Distribution



Red (72%)

Green (0%)

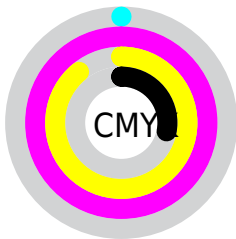
Blue (8%)



Red (72%)

Yellow (0%)

Blue (8%)

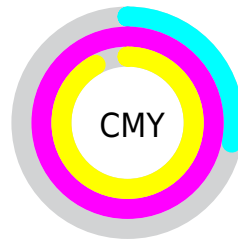


Cyan (0%)

Magenta (100%)

Yellow (89%)

Black (28%)



Cyan (28%)

Magenta (100%)

Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 76.758, 35.391 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, 76.758, 35.391 by changing the saturation by 10% instead.

 38, 76.758, 35.391

 38, 76.758, 35.391

 100, 76.758,
35.391

 28, 76.758, 35.391

 58, 76.758, 35.391

 18, 76.758, 35.391

 68, 76.758, 35.391

 8, 76.758, 35.391

 78, 76.758, 35.391

 0, 76.758, 35.391

 88, 76.758, 35.391

 98, 76.758, 35.391

 38, 76.758, 35.391

 38, 76.758, 35.391

 38, 76.860, 35.460

 39, 70.863, 31.066

41, 63.986, 26.616

43, 56.293, 22.762

46, 48.024, 19.631

50, 39.461, 17.154

55, 30.888, 15.204

59, 22.530, 13.657

64, 14.533, 12.408

69, 6.973, 11.362

Harmonies

Complementary

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



38, 76.758, 35.391



67, 43.152, 181.461

Rectangle

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



38, 76.758, 35.391



38, 76.758, 85.391



38, 76.758, 215.391



38, 76.758, 265.391

Sweetspot

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



38, 76.755, 35.393



75, 28.079, 13.752



40, 90.682, 323.737



38, 19.535, 14.370



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, 76.755, 35.393



50, 94.284, 36.220



45, 70.177, 52.113



36, 4.036, 11.316



32, 67.784, 34.859



2, 10.722, 12.945

Inverse Universe

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



38, 76.755, 35.393



50, 94.284, 36.220



46, 44.269, 269.846



36, 4.036, 11.316



32, 67.784, 34.859



2, 10.722, 12.945

Previews

White Background



This preview shows how the CIELCh color 38, 76.758, 35.391 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, 76.758, 35.391 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, 76.758, 35.391

Background



This preview shows how black text looks on a background with the CIELCh color 38, 76.758, 35.391.



This preview shows how white text looks on a background with the CIELCh color 38, 76.758, 35.391.

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, 76.832, 35.324

Protanopia

39, 33.183, 95.436

Deuteranopia

39, 47.153, 85.072



Tritanopia
38, 79.781, 41.090

Trichromacy



Original Color
38, 76.832, 35.324

Protanomaly
34, 43.554, 47.580

Deuteranomaly
35, 54.854, 52.303

Tritanomaly
38, 78.661, 39.122

Monochromacy



Original Color
38, 76.832, 35.324

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 32.737, 20.315

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 76.758, 35.391 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(183, 0, 20)` looks like.

```
.text, #text, p{  
    color:rgb(183, 0, 20)  
}
```

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(183, 0, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 0, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 76.758, 35.391 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(183, 0, 20) }
```

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

```
.border{ border-color:rgb(183, 0, 20) }
```

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

Here you see how a box with a 4 pixel rgb(183, 0, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 0, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 0, 20);  
box-shadow:4px 4px 4px 4px rgb(183, 0, 20)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 76.758, 35.391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 0, 20) }
```

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

```
.background{ background-color: rgb(183, 0,  
20) }
```

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