

Converting Colors

CIELCh(38, 60.830, 0.873)

Have a look what the booklet for
CIELCh(38, 60.830, 0.873) contains.

CIELCh(38, 61.019, 1.110)	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, 61.019, 1.110)

Conversions

Conversions Part 1

Format	Color
Hex	AD145A
RGB	173, 20, 90
RGB Percent	68%, 8%, 35%
CMY	0.3223, 0.9228, 0.6476
CMYK	0.00, 0.89, 0.48, 0.32
HSL	333°, 80%, 38%
HSV	333°, 89%, 68%
XYZ	19.2767, 10.0881, 10.5711
YIQ	73.7270, 68.7180, 54.2060

Conversions

Conversions Part 2

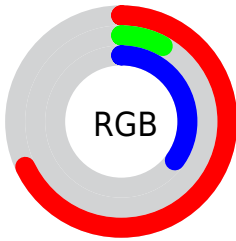
Format	Color
RYB	173, 20, 90
Decimal	11342938
CIELab	38.00, 61.01, 1.18
CIElCh	38, 61.019, 1.110
Yxy	10.0881, 0.4827, 0.2526
Android (android.graphics.Color)	4289533018 (0xFFAD145A)
YUV	73.7270, 8.0226, 87.0624
Hunter-Lab	31.7617, 52.7519, 2.5000

Details

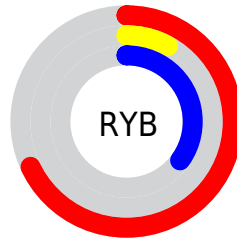
The CIELCh color **38, 61.019, 1.110** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **62, 59.051, 153.946**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 60.816, 1.014**, and **23, 46.688, 9.713** is the 20% darker color. If you saturate the color by 10%, you get **37, 62.825, 5.183**, and if you desaturate by 10%, it is **40, 57.791, 357.780**.

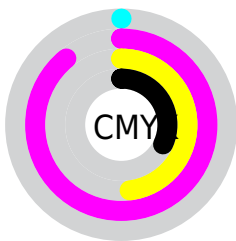
Distribution



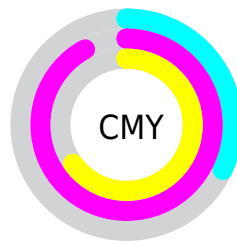
- Red (68%)
- Green (8%)
- Blue (35%)



- Red (68%)
- Yellow (8%)
- Blue (35%)



- Cyan (0%)
- Magenta (89%)
- Yellow (48%)
- Black (32%)



- Cyan (32%)
- Magenta (92%)
- Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 61.019, 1.110 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, 61.019, 1.110 by changing the saturation by 10% instead.

 38, 61.019, 1.110  38, 61.019, 1.110

 100, 61.019, 1.110  28, 61.019, 1.110

 58, 61.019, 1.110  18, 61.019, 1.110

 68, 61.019, 1.110  8, 61.019, 1.110

 78, 61.019, 1.110  0, 61.019, 1.110

 88, 61.019, 1.110

 98, 61.019, 1.110

 38, 61.019, 1.110  38, 61.019, 1.110

 37, 62.825, 5.183  40, 57.791,
357.780

 37, 63.075, 5.762

42, 52.909,
355.146

45, 46.622,
353.044

49, 39.324,
351.333

53, 31.412,
349.905

57, 23.214,
348.684

62, 14.971,
347.615

67, 6.839, 346.645

71, 1.087, 166.204

Harmonies

Complementary

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



38, 61.019, 1.110



62, 59.051, 153.946

Rectangle

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



38, 61.019, 1.110



38, 61.019, 51.110



38, 61.019, 181.110



38, 61.019, 231.110

Sweetspot

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



38, 61.016, 1.111



74, 27.081, 348.557



30, 87.457, 313.284



37, 18.258, 348.932



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, 61.016, 1.111



48, 76.649, 6.679



37, 70.839, 37.270



34, 4.517, 346.712



32, 56.972, 5.186



2, 8.931, 351.045

Inverse Universe

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



38, 61.016, 1.111



48, 76.649, 6.679



63, 35.129, 201.281



34, 4.517, 346.712



32, 56.972, 5.186



2, 8.931, 351.045

Previews

White Background



This preview shows how the CIELCh color 38, 61.019, 1.110 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, 61.019, 1.110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

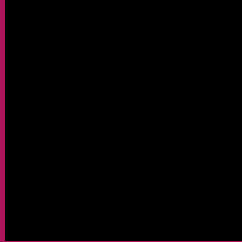
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 61.019, 1.110

Background



This preview shows how black text looks on a background with the CIELCh color 38, 61.019, 1.110.



This preview shows how white text looks on a background with the CIELCh color 38, 61.019, 1.110.

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, 61.019, 1.110

Protanopia

39, 22.814, 284.939

Deuteranopia

39, 7.335, 44.660



Tritanopia
38, 61.588, 32.023

Trichromacy



Original Color
38, 61.019, 1.110

Protanomaly
35, 35.456, 327.224

Deuteranomaly
36, 30.640, 359.643

Tritanomaly
38, 59.425, 21.001

Monochromacy



Original Color
38, 61.019, 1.110

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 27.953, 351.525

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 61.019, 1.110 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(173, 20, 90)` looks like.

```
.text, #text, p{  
    color:rgb(173, 20, 90)  
}
```

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(173, 20, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 20, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 61.019, 1.110 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(173, 20, 90) }
```

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

```
.border{ border-color:rgb(173, 20, 90) }
```

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

Here you see how a box with a 4 pixel rgb(173, 20, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 20, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 20, 90);  
box-shadow:4px 4px 4px 4px rgb(173, 20,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 61.019, 1.110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 20, 90) }
```

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

```
.background{ background-color: rgb(173, 20,  
90) }
```

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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