

Converting Colors

CIELCh(38, 55.884, 7.199)

Have a look what the booklet for
CIELCh(38, 55.884, 7.199) contains.

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Color

CIELCh(38, 55.780, 7.011)

Conversions

Conversions Part 1

Format	Color
Hex	A82351
RGB	168, 35, 81
RGB Percent	66%, 14%, 32%
CMY	0.3419, 0.8635, 0.6829
CMYK	0.00, 0.79, 0.52, 0.34
HSL	339°, 66%, 40%
HSV	339°, 79%, 66%
XYZ	18.1868, 10.0881, 8.7463
YIQ	80.0110, 64.5020, 42.5020

Conversions

Conversions Part 2

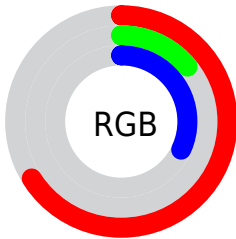
Format	Color
R_{YB}	168, 35, 81
Decimal	11019089
CIE _{Lab}	38.00, 55.36, 6.81
CIE _{LCh}	38, 55.780, 7.011
Yxy	10.0881, 0.4913, 0.2725
Android (android.graphics.Color)	4289209169 (0xFFA82351)
YUV	80.0110, 0.4876, 77.1664
Hunter-Lab	31.7617, 46.6263, 5.9063

Details

The CIELCh color **38, 55.780, 7.011** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **61, 47.755, 162.795**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 55.633, 7.162**, and **22, 45.999, 14.880** is the 20% darker color. If you saturate the color by 10%, you get **36, 59.643, 11.156**, and if you desaturate by 10%, it is **40, 50.602, 3.717**.

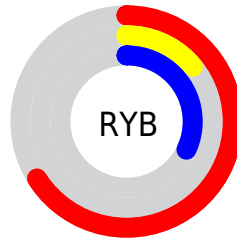
Distribution



Red (66%)

Green (14%)

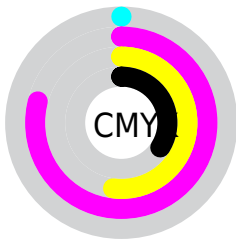
Blue (32%)



Red (66%)

Yellow (14%)

Blue (32%)

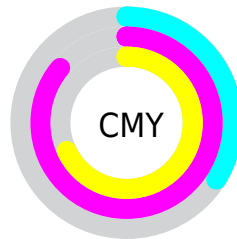


Cyan (0%)

Magenta (79%)

Yellow (52%)

Black (34%)



Cyan (34%)


Magenta (86%)

Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 55.780, 7.011 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, 55.780, 7.011 by changing the saturation by 10% instead.

 38, 55.780, 7.011  38, 55.780, 7.011

 100, 55.780, 7.011  28, 55.780, 7.011

 58, 55.780, 7.011  18, 55.780, 7.011

 68, 55.780, 7.011  8, 55.780, 7.011

 78, 55.780, 7.011  0, 55.780, 7.011

 88, 55.780, 7.011

 98, 55.780, 7.011

 38, 55.780, 7.011  38, 55.780, 7.011

 36, 59.643, 11.156  40, 50.602, 3.717

 35, 62.555, 16.038  43, 44.294, 1.109

■ 35, 62.784, 16.393

■ 47, 37.184,
359.024

■ 51, 29.622,
357.325

■ 55, 21.899,
355.909

■ 60, 14.222,
354.699

■ 64, 6.723, 353.629

■ 69, 0.522, 173.551

■ 74, 7.481, 172.016

Harmonies

Complementary

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



38, 55.780, 7.011



61, 47.755, 162.795

Rectangle

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



38, 55.780, 7.011



38, 55.780, 57.011



38, 55.780, 187.011



38, 55.780, 237.011

Sweetspot

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



38, 55.777, 7.013



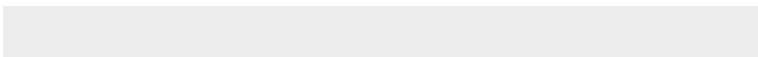
74, 22.198, 355.304



34, 78.669, 316.730



37, 15.293, 355.729



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



38, 55.777, 7.013



47, 75.372, 14.862



40, 58.689, 39.424



33, 4.119, 353.632



31, 57.093, 15.759



2, 7.198, 356.096

Inverse Universe

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



38, 55.777, 7.013



47, 75.372, 14.862



56, 30.219, 219.514



33, 4.119, 353.632



31, 57.093, 15.759



2, 7.198, 356.096

Previews

White Background



This preview shows how the CIELCh color 38, 55.780, 7.011 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, 55.780, 7.011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

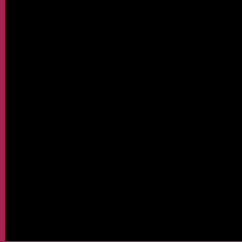
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 55.780, 7.011

Background



This preview shows how black text looks on a background with the CIELCh color 38, 55.780, 7.011.



This preview shows how white text looks on a background with the CIELCh color 38, 55.780, 7.011.

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, 55.780, 7.011

Protanopia

39, 12.335, 284.971

Deuteranopia

38, 11.552, 63.249



Tritanopia
38, 57.235, 30.176

Trichromacy



Original Color
38, 55.780, 7.011

Protanomaly
36, 25.817, 340.335

Deuteranomaly
36, 27.481, 14.229

Tritanomaly
38, 55.598, 21.951

Monochromacy



Original Color
38, 55.780, 7.011

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 23.132, 358.544

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 55.780, 7.011 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(168, 35, 81)` looks like.

```
.text, #text, p{  
    color:rgb(168, 35, 81)  
}
```

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(168, 35, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 35, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 55.780, 7.011 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(168, 35, 81) }
```

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

```
.border{ border-color:rgb(168, 35, 81) }
```

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

Here you see how a box with a 4 pixel rgb(168, 35, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 35, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 35, 81);  
box-shadow:4px 4px 4px 4px rgb(168, 35,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 55.780, 7.011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 35, 81) }
```

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

```
.background{ background-color: rgb(168, 35,  
81) }
```

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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