

Converting Colors

CIELCh(38, 62.244, 15.625)

Have a look what the booklet for
CIELCh(38, 62.244, 15.625) contains.

CIELCh(38, 62.303, 15.535)	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, 62.303, 15.535)

Conversions

Conversions Part 1

Format	Color
Hex	B01442
RGB	176, 20, 66
RGB Percent	69%, 8%, 26%
CMY	0.3106, 0.9228, 0.7417
CMYK	0.00, 0.89, 0.63, 0.31
HSL	342°, 80%, 38%
HSV	342°, 89%, 69%
XYZ	19.0843, 10.0881, 6.0735
YIQ	71.8880, 78.2100, 47.3780

Conversions

Conversions Part 2

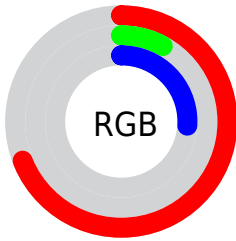
Format	Color
R _Y B	176, 20, 66
Decimal	11539522
CIE Lab	38.00, 60.03, 16.69
CIE LCh	38, 62.303, 15.535
Yxy	10.0881, 0.5415, 0.2862
Android (android.graphics.Color)	4289729602 (0xFFB01442)
YUV	71.8880, -2.9028, 91.3062
Hunter-Lab	31.7617, 51.6706, 10.8957

Details

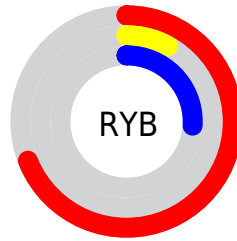
The CIELCh color **38, 62.303, 15.535** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **64, 50.078, 164.578**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 62.582, 15.241**, and **23, 50.688, 26.406** is the 20% darker color. If you saturate the color by 10%, you get **37, 65.941, 20.669**, and if you desaturate by 10%, it is **40, 57.757, 11.145**.

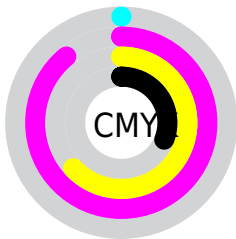
Distribution



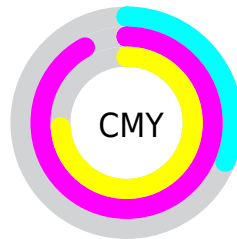
- Red (69%)
- Green (8%)
- Blue (26%)



- Red (69%)
- Yellow (8%)
- Blue (26%)



- Cyan (0%)
- Magenta (89%)
- Yellow (63%)
- Black (31%)



- Cyan (31%)
- Magenta (92%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 62.303, 15.535 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, 62.303, 15.535 by changing the saturation by 10% instead.

 38, 62.303, 15.535

 38, 62.303, 15.535

 100, 62.303,
15.535

 28, 62.303, 15.535

 58, 62.303, 15.535

 18, 62.303, 15.535

 68, 62.303, 15.535

 8, 62.303, 15.535

 78, 62.303, 15.535

 0, 62.303, 15.535

 88, 62.303, 15.535

 98, 62.303, 15.535

 38, 62.303, 15.535

 38, 62.303, 15.535

 37, 65.941, 20.669

 40, 57.757, 11.145

37, 66.399, 21.270

42, 52.012, 7.627

45, 45.230, 4.844

49, 37.734, 2.630

53, 29.867, 0.840

58, 21.912,
359.362

63, 14.068,
358.112

67, 6.457, 357.013

72, 0.857, 176.663

Harmonies

Complementary

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



38, 62.303, 15.535



64, 50.078, 164.578

Rectangle

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



38, 62.303, 15.535



38, 62.303, 65.535



38, 62.303, 195.535



38, 62.303, 245.535

Sweetspot

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



38, 62.300, 15.537



75, 25.464, 359.185



35, 86.677, 317.972



37, 17.222, 359.636



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



38, 62.300, 15.537



48, 81.541, 22.374



41, 67.302, 42.997



34, 4.112, 357.066



31, 58.963, 20.488



2, 8.302, 0.159

Inverse Universe

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



38, 62.300, 15.537



48, 81.541, 22.374



55, 32.254, 231.435



34, 4.112, 357.066



31, 58.963, 20.488



2, 8.302, 0.159

Previews

White Background



This preview shows how the CIELCh color 38, 62.303, 15.535 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, 62.303, 15.535 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, 62.303, 15.535

Background



This preview shows how black text looks on a background with the CIELCh color 38, 62.303, 15.535.



This preview shows how white text looks on a background with the CIELCh color 38, 62.303, 15.535.

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, 62.303, 15.535

Protanopia

39, 2.496, 300.146

Deuteranopia

39, 21.090, 75.505



Tritanopia
38, 67.875, 34.795

Trichromacy



Original Color
38, 62.303, 15.535

Protanomaly
35, 27.078, 359.243

Deuteranomaly
36, 33.998, 27.346

Tritanomaly
38, 65.025, 28.461

Monochromacy



Original Color
38, 62.303, 15.535

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 27.313, 2.609

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 62.303, 15.535 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(176, 20, 66)` looks like.

```
.text, #text, p{  
    color:rgb(176, 20, 66)  
}
```

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(176, 20, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 20, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 62.303, 15.535 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(176, 20, 66) }
```

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

```
.border{ border-color:rgb(176, 20, 66) }
```

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

Here you see how a box with a 4 pixel rgb(176, 20, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 20, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 20, 66);  
box-shadow:4px 4px 4px 4px rgb(176, 20,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 62.303, 15.535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 20, 66) }
```

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

```
.background{ background-color: rgb(176, 20,  
66) }
```

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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