

Converting Colors

CIELCh(38, 62.717, 7.747)

Have a look what the booklet for
CIELCh(38, 62.717, 7.747) contains.

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Color

CIELCh(38, 62.640, 7.487)

Conversions

Conversions Part 1

Format	Color
Hex	B00C4F
RGB	176, 12, 79
RGB Percent	69%, 5%, 31%
CMY	0.3092, 0.9513, 0.6897
CMYK	0.00, 0.93, 0.55, 0.31
HSL	336°, 87%, 37%
HSV	336°, 93%, 69%
XYZ	19.4938, 10.0881, 8.3412
YIQ	68.6740, 76.2370, 55.6050

Conversions

Conversions Part 2

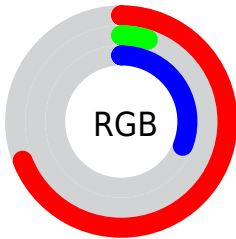
Format	Color
R_{YB}	176, 12, 79
Decimal	11537487
CIE Lab	38.00, 62.11, 8.16
CIE LCh	38, 62.640, 7.487
Yxy	10.0881, 0.5140, 0.2660
Android (android.graphics.Color)	4289727567 (0xFFB00C4F)
YUV	68.6740, 5.0907, 94.1249
Hunter-Lab	31.7617, 53.9717, 6.6626

Details

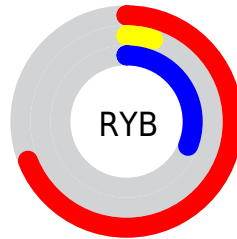
The CIELCh color **38, 62.640, 7.487** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **64, 58.411, 155.931**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 62.598, 7.363**, and **23, 48.378, 18.378** is the 20% darker color. If you saturate the color by 10%, you get **37, 64.165, 10.752**, and if you desaturate by 10%, it is **39, 59.736, 3.374**.

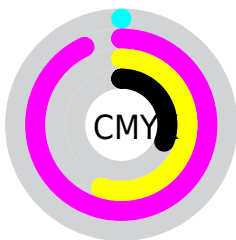
Distribution



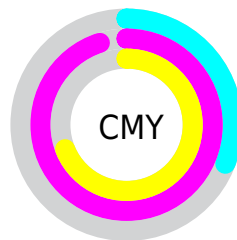
- Red (69%)
- Green (5%)
- Blue (31%)



- Red (69%)
- Yellow (5%)
- Blue (31%)



- Cyan (0%)
- Magenta (93%)
- Yellow (55%)
- Black (31%)



- Cyan (31%)
- Magenta (95%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 62.640, 7.487 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, 62.640, 7.487 by changing the saturation by 10% instead.

 38, 62.640, 7.487

 38, 62.640, 7.487

 100, 62.640, 7.487

 28, 62.640, 7.487

 58, 62.640, 7.487

 18, 62.640, 7.487

 68, 62.640, 7.487

 8, 62.640, 7.487

 78, 62.640, 7.487

 0, 62.640, 7.487

 88, 62.640, 7.487

 98, 62.640, 7.487

 38, 62.640, 7.487

 38, 62.640, 7.487

 37, 64.165, 10.752

 39, 59.736, 3.374

 42, 55.279, 0.107

■ 45, 49.371,
357.525

■ 48, 42.347,
355.461

■ 52, 34.605,
353.776

■ 56, 26.500,
352.367

■ 61, 18.303,
351.161

■ 66, 10.197,
350.100

■ 70, 2.292, 349.042

Harmonies

Complementary

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



38, 62.640, 7.487



64, 58.411, 155.931

Rectangle

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



38, 62.640, 7.487



38, 62.640, 57.487



38, 62.640, 187.487



38, 62.640, 237.487

Sweetspot

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



38, 62.637, 7.489



75, 27.832, 351.807



31, 90.133, 314.391



37, 19.251, 352.336



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, 62.637, 7.489



49, 78.326, 11.752



38, 73.739, 39.469



35, 4.482, 349.738



32, 57.783, 10.118



2, 10.120, 354.948

Inverse Universe

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



38, 62.637, 7.489



49, 78.326, 11.752



61, 34.050, 209.922



35, 4.482, 349.738



32, 57.783, 10.118



2, 10.120, 354.948

Previews

White Background



This preview shows how the CIELCh color 38, 62.640, 7.487 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, 62.640, 7.487 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, 62.640, 7.487

Background



This preview shows how black text looks on a background with the CIELCh color 38, 62.640, 7.487.



This preview shows how white text looks on a background with the CIELCh color 38, 62.640, 7.487.

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, 62.640, 7.487

Protanopia

39, 14.164, 284.733

Deuteranopia

39, 13.251, 67.049



Tritanopia
38, 66.293, 33.947

Trichromacy



Original Color
38, 62.640, 7.487

Protanomaly
35, 32.685, 338.521

Deuteranomaly
36, 32.557, 10.845

Tritanomaly
38, 63.573, 24.835

Monochromacy



Original Color
38, 62.640, 7.487

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 29.868, 354.850

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 62.640, 7.487 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, 12, 79)` looks like.

```
.text, #text, p{  
    color:rgb(176, 12, 79)  
}
```

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, 12, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 12, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 62.640, 7.487 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, 12, 79) }
```

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

```
.border{ border-color:rgb(176, 12, 79) }
```

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

Here you see how a box with a 4 pixel rgb(176, 12, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 12, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 12, 79);  
box-shadow:4px 4px 4px 4px rgb(176, 12,  
79) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 62.640, 7.487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 12, 79) }
```

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

```
.background{ background-color: rgb(176, 12,  
79) }
```

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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