

Converting Colors

CIELCh(38, 63.926, 5.503)

Have a look what the booklet for
CIELCh(38, 63.926, 5.503) contains.

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Color

CIELCh(38, 63.782, 5.599)

Conversions

Conversions Part 1

Format	Color
Hex	B10552
RGB	177, 5, 82
RGB Percent	69%, 2%, 32%
CMY	0.3049, 0.9818, 0.6777
CMYK	0.00, 0.97, 0.54, 0.30
HSL	333°, 95%, 36%
HSV	333°, 97%, 70%
XYZ	19.7671, 10.0881, 8.9256
YIQ	65.2060, 77.7950, 60.4110

Conversions

Conversions Part 2

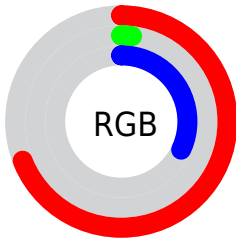
Format	Color
RYB	177, 5, 82
Decimal	11601234
CIELab	38.00, 63.48, 6.22
CIELCh	38, 63.782, 5.599
Yxy	10.0881, 0.5097, 0.2601
Android (android.graphics.Color)	4289791314 (0xFFB10552)
YUV	65.2060, 8.2794, 98.0433
Hunter-Lab	31.7617, 55.5078, 5.5716

Details

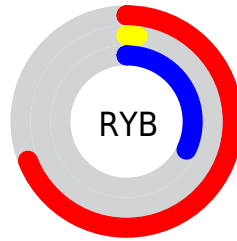
The CIELCh color **38, 63.782, 5.599** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **64, 63.117, 152.478**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **58, 63.756, 5.589**, and **23, 48.294, 16.352** is the 20% darker color. If you saturate the color by 10%, you get **38, 64.260, 6.723**, and if you desaturate by 10%, it is **39, 61.799, 1.480**.

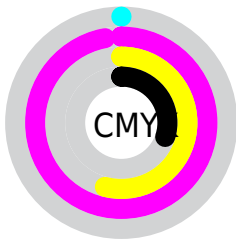
Distribution



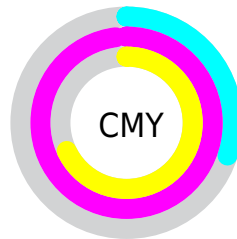
- Red (69%)
- Green (2%)
- Blue (32%)



- Red (69%)
- Yellow (2%)
- Blue (32%)



- Cyan (0%)
- Magenta (97%)
- Yellow (54%)
- Black (30%)



- Cyan (30%)
- Magenta (98%)
- Yellow (68%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 63.782, 5.599 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, 63.782, 5.599 by changing the saturation by 10% instead.

 38, 63.782, 5.599

 38, 63.782, 5.599

 100, 63.782, 5.599

 28, 63.782, 5.599

 58, 63.782, 5.599

 18, 63.782, 5.599

 68, 63.782, 5.599

 8, 63.782, 5.599

 78, 63.782, 5.599

 0, 63.782, 5.599


 88, 63.782, 5.599

 98, 63.782, 5.599

 38, 63.782, 5.599

 38, 63.782, 5.599

 38, 64.260, 6.723

 39, 61.799, 1.480

 41, 58.276,

358.158

■ 44, 53.096,
355.532

■ 47, 46.537,
353.437

■ 51, 39.006,
351.730

■ 55, 30.901,
350.306

■ 59, 22.548,
349.087

■ 64, 14.177,
348.019

■ 69, 5.941, 347.045

Harmonies

Complementary

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



38, 63.782, 5.599



64, 63.117, 152.478

Rectangle

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



38, 63.782, 5.599



38, 63.782, 55.599



38, 63.782, 185.599



38, 63.782, 235.599

Sweetspot

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



38, 63.779, 5.601



74, 29.510, 349.331



29, 92.859, 313.260



37, 20.265, 349.832



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, 63.779, 5.601



49, 77.972, 7.628



37, 77.341, 39.768



35, 4.601, 347.233



32, 57.659, 6.111



2, 10.321, 352.673

Inverse Universe

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



38, 63.779, 5.601



49, 77.972, 7.628



63, 35.589, 204.472



35, 4.601, 347.233



32, 57.659, 6.111



2, 10.321, 352.673

Previews

White Background



This preview shows how the CIELCh color 38, 63.782, 5.599 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, 63.782, 5.599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

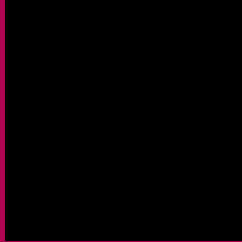
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 63.782, 5.599

Background



This preview shows how black text looks on a background with the CIELCh color 38, 63.782, 5.599.



This preview shows how white text looks on a background with the CIELCh color 38, 63.782, 5.599.

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, 63.675, 5.659

Protanopia

39, 17.258, 284.307

Deuteranopia

39, 11.871, 61.748



Tritanopia
38, 66.971, 34.400

Trichromacy



Original Color
38, 63.675, 5.659

Protanomaly
34, 35.737, 333.906

Deuteranomaly
35, 34.501, 6.154

Tritanomaly
38, 64.418, 24.515

Monochromacy



Original Color
38, 63.675, 5.659

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 31.631, 353.625

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 63.782, 5.599 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(177, 5, 82)` looks like.

```
.text, #text, p{  
    color:rgb(177, 5, 82)  
}
```

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(177, 5, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 5, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 63.782, 5.599 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(177, 5, 82) }
```

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

```
.border{ border-color:rgb(177, 5, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 5, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 5, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 5, 82);  
box-shadow:4px 4px 4px 4px rgb(177, 5, 82)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 63.782, 5.599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 5, 82) }
```

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

```
.background{ background-color: rgb(177, 5,  
82) }
```

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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