

Converting Colors

CIELCh(38, 7.519, 10.895)

Have a look what the booklet for
CIELCh(38, 7.519, 10.895) contains.

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Color

CIELCh(38, 7.503, 11.102)

Conversions

Conversions Part 1

Format	Color
Hex	665557
RGB	102, 85, 87
RGB Percent	40%, 33%, 34%
CMY	0.5986, 0.6654, 0.6575
CMYK	0.00, 0.17, 0.15, 0.60
HSL	353°, 9%, 37%
HSV	353°, 17%, 40%
XYZ	10.5274, 10.0881, 10.4807
YIQ	90.3110, 9.4900, 4.2260

Conversions

Conversions Part 2

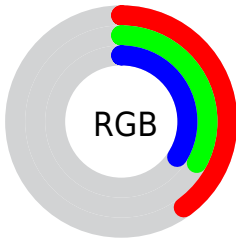
Format	Color
R_{YB}	102, 85, 87
Decimal	6706519
CIE Lab	38.00, 7.36, 1.44
CIE LCh	38, 7.503, 11.102
Yxy	10.0881, 0.3385, 0.3244
Android (android.graphics.Color)	4284896599 (0xFF665557)
YUV	90.3110, -1.6323, 10.2513
Hunter-Lab	31.7617, 3.5806, 2.6687

Details

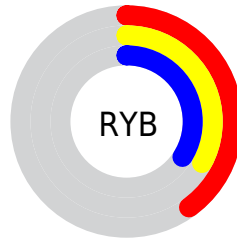
The CIELCh color **38, 7.503, 11.102** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **42, 6.940, 188.529**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 7.282, 11.187**, and **18, 7.530, 10.755** is the 20% darker color. If you saturate the color by 10%, you get **35, 12.362, 12.208**, and if you desaturate by 10%, it is **41, 2.901, 10.140**.

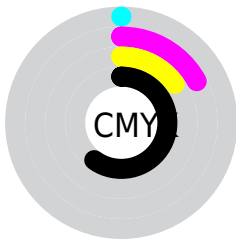
Distribution



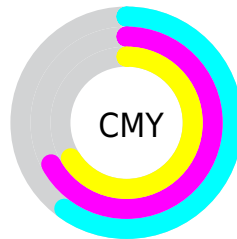
- Red (40%)
- Green (33%)
- Blue (34%)



- Red (40%)
- Yellow (33%)
- Blue (34%)



- Cyan (0%)
- Magenta (17%)
- Yellow (15%)
- Black (60%)



- Cyan (60%)
- Magenta (67%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 7.503, 11.102 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, 7.503, 11.102 by changing the saturation by 10% instead.

 38, 7.503, 11.102  38, 7.503, 11.102

 100, 7.503, 11.102  28, 7.503, 11.102


 58, 7.503, 11.102  18, 7.503, 11.102

 68, 7.503, 11.102  8, 7.503, 11.102

 78, 7.503, 11.102  0, 7.503, 11.102

 88, 7.503, 11.102

 98, 7.503, 11.102

 38, 7.503, 11.102  38, 7.503, 11.102

 35, 12.362, 12.208  41, 2.901, 10.140

 32, 17.451, 13.535  44, 1.434, 189.720

■ 29, 22.707, 15.170

■ 48, 5.512, 188.900

■ 26, 28.024, 17.210

■ 51, 9.349, 188.310

■ 24, 33.260, 19.768

■ 54, 12.966,
187.804

■ 22, 38.249, 22.947

■ 58, 16.384,
187.359

■ 21, 42.845, 26.784

■ 20, 46.976, 30.490

■ 61, 19.623,
186.963

■ 20, 48.233, 31.156

■ 64, 22.703,
186.606

■ 68, 25.641,
186.283

Harmonies

Complementary

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



38, 7.503, 11.102



42, 6.940, 188.529

Rectangle

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



38, 7.503, 11.102



38, 7.503, 61.102



38, 7.503, 191.102



38, 7.503, 241.102

Sweetspot

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



38, 7.502, 11.110



53, 2.699, 9.987



38, 12.118, 321.486



27, 1.829, 10.039



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



38, 7.502, 11.110



47, 11.296, 11.521



40, 6.069, 58.371



19, 2.470, 10.363



23, 52.973, 32.402



51, 95.248, 35.717

Inverse Universe

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



38, 7.502, 11.110



47, 11.296, 11.521



40, 5.640, 241.554



19, 2.470, 10.363



23, 52.973, 32.402



51, 95.248, 35.717

Previews

White Background



This preview shows how the CIELCh color 38, 7.503, 11.102 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 38, 7.503, 11.102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

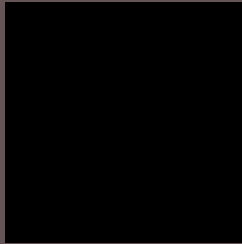
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 7.503, 11.102

Background



This preview shows how black text looks on a background with the CIELCh color 38, 7.503, 11.102.

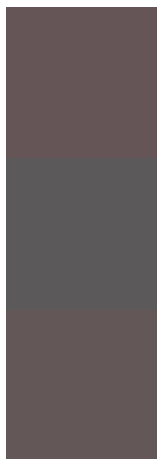


This preview shows how white text looks on a background with the CIELCh color 38, 7.503, 11.102.

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, 7.503, 11.102

Protanopia

38, 0.850, 19.160

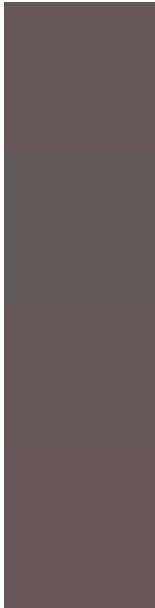
Deuteranopia

38, 5.207, 20.080



Tritanopia
38, 8.558, 355.276

Trichromacy



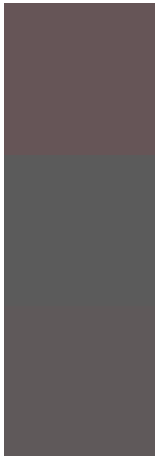
Original Color
38, 7.503, 11.102

Protanomaly
38, 3.006, 19.722

Deuteranomaly
38, 6.114, 14.504

Tritanomaly
38, 8.339, 359.128

Monochromacy



Original Color
38, 7.503, 11.102

Achromatopsia
39, 0.005, 296.813

Achromatomaly
38, 2.635, 6.233

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 7.503, 11.102 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(102, 85, 87)` looks like.

```
.text, #text, p{  
    color:rgb(102, 85, 87)  
}
```

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(102, 85, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 85, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 7.503, 11.102 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(102, 85, 87) }
```

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

```
.border{ border-color:rgb(102, 85, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 85, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 85, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 85, 87);  
box-shadow:4px 4px 4px 4px rgb(102, 85,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 7.503, 11.102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 85, 87) }
```

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

```
.background{ background-color: rgb(102, 85,  
87) }
```

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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