

Converting Colors

CIELCh(38, 55.321, 6.499)

Have a look what the booklet for
CIELCh(38, 55.321, 6.499) contains.

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Color

CIELCh(38, 55.198, 6.297)

Conversions

Conversions Part 1

Format	Color
Hex	A72452
RGB	167, 36, 82
RGB Percent	65%, 14%, 32%
CMY	0.3451, 0.8587, 0.6784
CMYK	0.00, 0.78, 0.51, 0.35
HSL	339°, 65%, 40%
HSV	339°, 78%, 65%
XYZ	18.0926, 10.0881, 8.9777
YIQ	80.4130, 63.3100, 42.0780

Conversions

Conversions Part 2

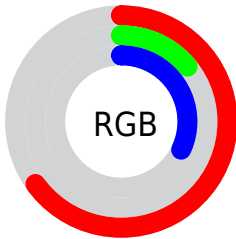
Format	Color
R_{YB}	167, 36, 82
Decimal	10953810
CIE _{Lab}	38.00, 54.86, 6.05
CIE _{LCh}	38, 55.198, 6.297
Yxy	10.0881, 0.4869, 0.2715
Android (android.graphics.Color)	4289143890 (0xFFA72452)
YUV	80.4130, 0.7824, 75.9368
Hunter-Lab	31.7617, 46.0973, 5.4744

Details

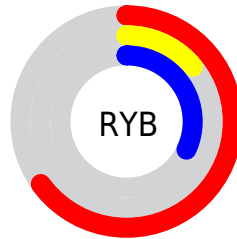
The CIELCh color **38, 55.198, 6.297** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **61, 47.489, 162.624**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 55.319, 6.378**, and **22, 45.553, 13.694** is the 20% darker color. If you saturate the color by 10%, you get **36, 59.116, 10.336**, and if you desaturate by 10%, it is **40, 49.961, 3.094**.

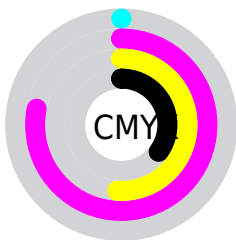
Distribution



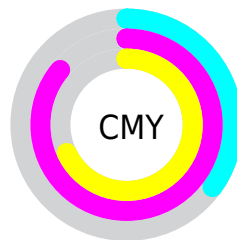
- Red (65%)
- Green (14%)
- Blue (32%)



- Red (65%)
- Yellow (14%)
- Blue (32%)



- Cyan (0%)
- Magenta (78%)
- Yellow (51%)
- Black (35%)



- Cyan (35%)
- Magenta (86%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 55.198, 6.297 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, 55.198, 6.297 by changing the saturation by 10% instead.

 38, 55.198, 6.297  38, 55.198, 6.297

 100, 55.198, 6.297  28, 55.198, 6.297

 58, 55.198, 6.297  18, 55.198, 6.297

 68, 55.198, 6.297  8, 55.198, 6.297

 78, 55.198, 6.297  0, 55.198, 6.297

 88, 55.198, 6.297

 98, 55.198, 6.297

 38, 55.198, 6.297  38, 55.198, 6.297

 36, 59.116, 10.336  40, 49.961, 3.094

 35, 61.985, 15.161  44, 43.612, 0.556

35, 62.454, 15.912

47, 36.484,
358.523

51, 28.926,
356.862

55, 21.222,
355.473

60, 13.573,
354.283

65, 6.106, 353.223

69, 1.107, 172.750

74, 8.036, 171.632

Harmonies

Complementary

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



38, 55.198, 6.297



61, 47.489, 162.624

Rectangle

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



38, 55.198, 6.297



38, 55.198, 56.297



38, 55.198, 186.297



38, 55.198, 236.297

Sweetspot

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



38, 55.195, 6.299



73, 22.038, 354.977



34, 77.887, 316.250



37, 15.327, 355.401



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, 55.195, 6.299



47, 74.299, 13.846



39, 58.259, 38.433



33, 4.130, 353.312



31, 57.010, 15.304



2, 7.214, 355.806

Inverse Universe

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



38, 55.195, 6.299



47, 74.299, 13.846



57, 30.241, 216.483



33, 4.130, 353.312



31, 57.010, 15.304



2, 7.214, 355.806

Previews

White Background



This preview shows how the CIELCh color 38, 55.198, 6.297 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 CIELCh color 38, 55.198, 6.297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

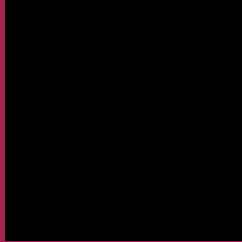
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 55.198, 6.297

Background



This preview shows how black text looks on a background with the CIELCh color 38, 55.198, 6.297.



This preview shows how white text looks on a background with the CIELCh color 38, 55.198, 6.297.

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, 55.198, 6.297

Protanopia

39, 12.942, 285.430

Deuteranopia

38, 10.683, 58.927



Tritanopia
38, 56.322, 29.887

Trichromacy



Original Color
38, 55.198, 6.297

Protanomaly
36, 25.912, 338.556

Deuteranomaly
37, 27.462, 11.693

Tritanomaly
38, 54.774, 21.473

Monochromacy



Original Color
38, 55.198, 6.297

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 23.310, 357.091

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 55.198, 6.297 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(167, 36, 82)` looks like.

```
.text, #text, p{  
    color:rgb(167, 36, 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(167, 36, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 36, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 55.198, 6.297 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(167, 36, 82) }
```

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

```
.border{ border-color:rgb(167, 36, 82) }
```

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

Here you see how a box with a 4 pixel rgb(167, 36, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 36, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 36, 82);  
box-shadow:4px 4px 4px 4px rgb(167, 36,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 55.198, 6.297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 36, 82) }
```

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

```
.background{ background-color: rgb(167, 36,  
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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