

Converting Colors

CIELCh(38, 55.845, 22.518)

Have a look what the booklet for
CIELCh(38, 55.845, 22.518) contains.

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Color

CIELCh(38, 55.772, 22.552)

Conversions

Conversions Part 1

Format	Color
Hex	A7293A
RGB	167, 41, 58
RGB Percent	65%, 16%, 23%
CMY	0.3455, 0.8396, 0.7728
CMYK	0.00, 0.75, 0.65, 0.35
HSL	352°, 61%, 41%
HSV	352°, 75%, 65%
XYZ	17.4664, 10.0881, 5.0197
YIQ	80.6120, 69.6390, 31.9990

Conversions

Conversions Part 2

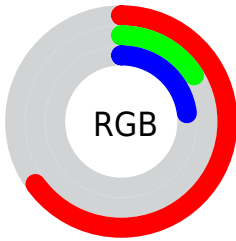
Format	Color
RYB	167, 41, 58
Decimal	10955066
CIELab	38.00, 51.51, 21.39
CIElCh	38, 55.772, 22.552
Yxy	10.0881, 0.5362, 0.3097
Android (android.graphics.Color)	4289145146 (0xFFA7293A)
YUV	80.6120, -11.1477, 75.7623
Hunter-Lab	31.7617, 42.5776, 12.8629

Details

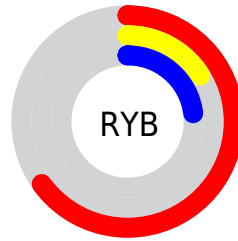
The CIELCh color **38, 55.772, 22.552** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **62, 37.306, 181.293**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 55.869, 22.579**, and **21, 49.644, 30.096** is the 20% darker color. If you saturate the color by 10%, you get **36, 62.241, 26.799**, and if you desaturate by 10%, it is **41, 48.605, 19.047**.

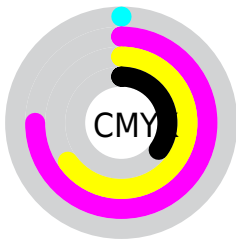
Distribution



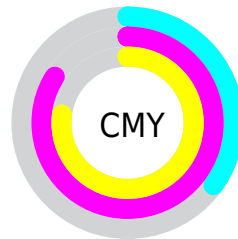
- Red (65%)
- Green (16%)
- Blue (23%)



- Red (65%)
- Yellow (16%)
- Blue (23%)



- Cyan (0%)
- Magenta (75%)
- Yellow (65%)
- Black (35%)



- Cyan (35%)
- Magenta (84%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 55.772, 22.552 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, 55.772, 22.552 by changing the saturation by 10% instead.

 38, 55.772, 22.552

 38, 55.772, 22.552

 100, 55.772,
22.552

 28, 55.772, 22.552

 58, 55.772, 22.552

 18, 55.772, 22.552

 68, 55.772, 22.552

 8, 55.772, 22.552

 78, 55.772, 22.552

 0, 55.772, 22.552

 88, 55.772, 22.552

 98, 55.772, 22.552

 38, 55.772, 22.552

 38, 55.772, 22.552

 36, 62.241, 26.799

 41, 48.605, 19.047

35, 67.895, 31.544

44, 40.962, 16.248

35, 70.329, 33.481

48, 33.110, 14.036

52, 25.299, 12.278

56, 17.711, 10.862

61, 10.460, 9.694

66, 3.599, 8.656

71, 2.861, 188.139

76, 8.930, 187.339

Harmonies

Complementary

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



38, 55.772, 22.552



62, 37.306, 181.293

Rectangle

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



38, 55.772, 22.552



38, 55.772, 72.552



38, 55.772, 202.552



38, 55.772, 252.552

Sweetspot

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



38, 55.769, 22.554



73, 19.655, 10.603



39, 75.344, 322.970



37, 13.845, 11.046



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, 55.769, 22.554



46, 80.640, 30.185



45, 50.109, 52.700



33, 3.777, 9.052



30, 63.998, 32.945



1, 6.680, 9.829

Inverse Universe

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



38, 55.769, 22.554



46, 80.640, 30.185



49, 31.883, 253.262



33, 3.777, 9.052



30, 63.998, 32.945



1, 6.680, 9.829

Previews

White Background



This preview shows how the CIELCh color 38, 55.772, 22.552 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, 55.772, 22.552 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, 55.772, 22.552

Background



This preview shows how black text looks on a background with the CIELCh color 38, 55.772, 22.552.



This preview shows how white text looks on a background with the CIELCh color 38, 55.772, 22.552.

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, 55.772, 22.552

Protanopia

38, 7.662, 92.076

Deuteranopia

38, 24.577, 77.977



Tritanopia
38, 57.729, 30.392

Trichromacy



Original Color
38, 55.772, 22.552

Protanomaly
36, 22.876, 24.600

Deuteranomaly
37, 32.289, 40.892

Tritanomaly
38, 56.750, 27.363

Monochromacy



Original Color
38, 55.772, 22.552

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 21.324, 11.645

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 55.772, 22.552 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, 41, 58)` looks like.

```
.text, #text, p{  
    color:rgb(167, 41, 58)  
}
```

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, 41, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 41, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 55.772, 22.552 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, 41, 58) }
```

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

```
.border{ border-color:rgb(167, 41, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 41, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 41, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 41, 58);  
box-shadow:4px 4px 4px 4px rgb(167, 41,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 55.772, 22.552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 41, 58) }
```

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

```
.background{ background-color: rgb(167, 41,  
58) }
```

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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