

Converting Colors

CIELCh(38, 58.203, 22.331)

Have a look what the booklet for
CIELCh(38, 58.203, 22.331) contains.

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Color

CIELCh(38, 58.336, 22.296)

Conversions

Conversions Part 1

Format	Color
Hex	AA2439
RGB	170, 36, 57
RGB Percent	67%, 14%, 22%
CMY	0.3337, 0.8591, 0.7767
CMYK	0.00, 0.79, 0.66, 0.33
HSL	351°, 65%, 40%
HSV	351°, 79%, 67%
XYZ	17.9251, 10.0881, 4.8654
YIQ	78.4600, 73.1230, 34.9390

Conversions

Conversions Part 2

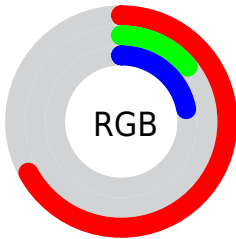
Format	Color
R_{YB}	170, 36, 57
Decimal	11150393
CIE _{Lab}	38.00, 53.97, 22.13
CIE _{LCh}	38, 58.336, 22.296
Yxy	10.0881, 0.5452, 0.3068
Android (android.graphics.Color)	4289340473 (0xFFAA2439)
YUV	78.4600, -10.5798, 80.2806
Hunter-Lab	31.7617, 45.1559, 13.1509

Details

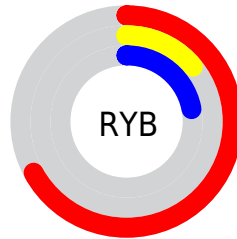
The CIELCh color **38, 58.336, 22.296** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **63, 39.489, 178.657**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 58.216, 22.230**, and **21, 50.695, 30.967** is the 20% darker color. If you saturate the color by 10%, you get **36, 64.367, 26.829**, and if you desaturate by 10%, it is **40, 51.508, 18.515**.

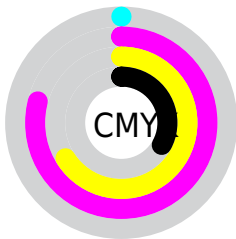
Distribution



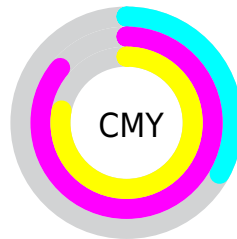
- Red (67%)
- Green (14%)
- Blue (22%)



- Red (67%)
- Yellow (14%)
- Blue (22%)



- Cyan (0%)
- Magenta (79%)
- Yellow (66%)
- Black (33%)



- Cyan (33%)
- Magenta (86%)
- Yellow (78%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 58.336, 22.296 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, 58.336, 22.296 by changing the saturation by 10% instead.

■ 38, 58.336, 22.296

■ 38, 58.336, 22.296

■ 100, 58.336,
22.296

■ 28, 58.336, 22.296

■ 58, 58.336, 22.296

■ 18, 58.336, 22.296

■ 68, 58.336, 22.296

■ 8, 58.336, 22.296

■ 78, 58.336, 22.296

■ 0, 58.336, 22.296

■ 88, 58.336, 22.296

■ 98, 58.336, 22.296

■ 38, 58.336, 22.296

■ 38, 58.336, 22.296

■ 36, 64.367, 26.829

■ 40, 51.508, 18.515

35, 69.698, 31.665

44, 44.057, 15.482

35, 70.308, 32.157

47, 36.246, 13.082

51, 28.350, 11.176

56, 20.588, 9.642

60, 13.107, 8.382

65, 5.987, 7.304

70, 0.744, 187.127

75, 7.086, 185.819

Harmonies

Complementary

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



38, 58.336, 22.296



63, 39.489, 178.657

Rectangle

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



38, 58.336, 22.296



38, 58.336, 72.296



38, 58.336, 202.296



38, 58.336, 252.296

Sweetspot

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



38, 58.333, 22.298



74, 21.032, 9.056



39, 78.516, 322.429



37, 14.694, 9.511



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



38, 58.333, 22.298



47, 83.598, 30.743



45, 53.846, 51.197



33, 3.798, 7.347



30, 63.094, 31.516



1, 6.715, 8.325

Inverse Universe

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



38, 58.333, 22.298



47, 83.598, 30.743



50, 32.690, 251.978



33, 3.798, 7.347



30, 63.094, 31.516



1, 6.715, 8.325

Previews

White Background



This preview shows how the CIELCh color 38, 58.336, 22.296 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, 58.336, 22.296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

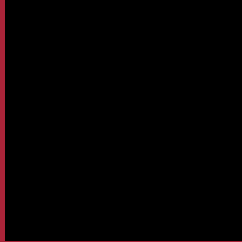
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 58.336, 22.296

Background



This preview shows how black text looks on a background with the CIELCh color 38, 58.336, 22.296.



This preview shows how white text looks on a background with the CIELCh color 38, 58.336, 22.296.

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, 58.336, 22.296

Protanopia

38, 7.662, 92.076

Deuteranopia

38, 25.367, 77.510



Tritanopia
38, 61.180, 31.959

Trichromacy



Original Color
38, 58.336, 22.296

Protanomaly
36, 24.278, 23.431

Deuteranomaly
37, 33.562, 39.528

Tritanomaly
38, 59.839, 28.699

Monochromacy



Original Color
38, 58.336, 22.296

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 22.373, 12.489

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 58.336, 22.296 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(170, 36, 57)` looks like.

```
.text, #text, p{  
    color:rgb(170, 36, 57)  
}
```

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(170, 36, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 36, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 58.336, 22.296 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(170, 36, 57) }
```

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

```
.border{ border-color:rgb(170, 36, 57) }
```

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

Here you see how a box with a 4 pixel rgb(170, 36, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 36, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 36, 57);  
box-shadow:4px 4px 4px 4px rgb(170, 36,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 58.336, 22.296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 36, 57) }
```

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

```
.background{ background-color: rgb(170, 36,  
57) }
```

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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