

Converting Colors

CIELCh(59, 34.290, 80.816)

Have a look what the booklet for
CIELCh(59, 34.290, 80.816) contains.

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Color

CIELCh(59, 34.492, 80.790)

Conversions

Conversions Part 1

Format	Color
Hex	AA8952
RGB	170, 137, 82
RGB Percent	67%, 54%, 32%
CMY	0.3335, 0.4629, 0.6786
CMYK	0.00, 0.19, 0.52, 0.33
HSL	38°, 35%, 49%
HSV	38°, 52%, 67%
XYZ	27.0277, 27.0277, 11.7664
YIQ	140.5970, 37.3230, -10.1090

Conversions

Conversions Part 2

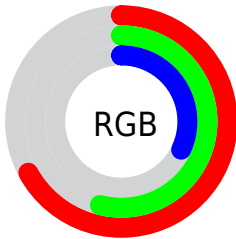
Format	Color
RYB	135, 170, 82
Decimal	11176274
CIELab	59.00, 5.52, 34.05
CIELCh	59, 34.492, 80.790
Yxy	27.0277, 0.4106, 0.4106
Android (android.graphics.Color)	4289366354 (0xFFAA8952)
YUV	140.5970, -28.8883, 25.7864
Hunter-Lab	51.9882, 1.8196, 22.9728

Details

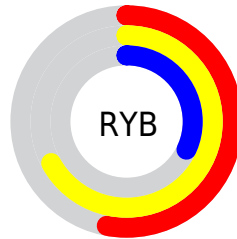
The CIELCh color **59, 34.492, 80.790** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **48, 33.302, 277.287**, and the grayscale version is **59, 0.007, 296.813**.

A 20% lighter version of the original color is **79, 34.645, 80.784**, and **39, 34.216, 80.684** is the 20% darker color. If you saturate the color by 10%, you get **57, 41.367, 79.332**, and if you desaturate by 10%, it is **61, 27.568, 82.199**.

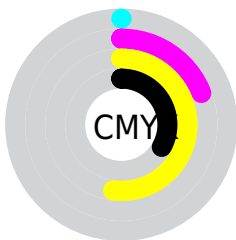
Distribution



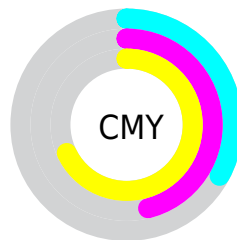
- Red (67%)
- Green (54%)
- Blue (32%)



- Red (53%)
- Yellow (67%)
- Blue (32%)



- Cyan (0%)
- Magenta (19%)
- Yellow (52%)
- Black (33%)




- Cyan (33%)
- Magenta (46%)
- Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 34.492, 80.790 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 59, 34.492, 80.790 by changing the saturation by 10% instead.

 59, 34.492, 80.790

 59, 34.492, 80.790

 100, 34.492,
80.790

 49, 34.492, 80.790

 79, 34.492, 80.790

 39, 34.492, 80.790

 89, 34.492, 80.790

 29, 34.492, 80.790

 99, 34.492, 80.790

 19, 34.492, 80.790

 9, 34.492, 80.790

 0, 34.492, 80.790

 59, 34.492, 80.790

 59, 34.492, 80.790

 57, 41.367, 79.332

 61, 27.568, 82.199

 55, 47.945, 77.769

 63, 20.723, 83.561

■ 54, 53.787, 76.015

■ 65, 14.019, 84.883

■ 52, 58.234, 73.904

■ 67, 7.479, 86.158

■ 51, 60.915, 71.941

■ 69, 1.107, 87.220

■ 71, 5.103, 268.687

■ 74, 11.160,
269.815

■ 76, 17.077,
270.911

■ 78, 22.867,
271.959

Harmonies

Complementary

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



59, 34.492, 80.790



48, 33.302, 277.287

Rectangle

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



59, 34.492, 80.790



59, 34.492, 130.790



59, 34.492, 260.790



59, 34.492, 310.790

Sweetspot

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



59, 34.492, 80.794



84, 12.700, 85.590



47, 39.912, 356.886



44, 8.667, 85.335



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



59, 34.492, 80.794



73, 51.579, 79.128



67, 46.679, 110.830



35, 3.553, 86.465



44, 54.986, 72.334



4, 5.982, 80.342

Inverse Universe

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



48, 33.302, 277.287



57, 49.886, 280.595



40, 53.531, 300.625



33, 3.537, 268.904



26, 59.708, 293.394



2, 6.786, 271.969

Previews

White Background



This preview shows how the CIELCh color 59, 34.492, 80.790 looks on a white 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

Black Background



This preview shows how the CIE LCh color 59, 34.492, 80.790 looks on a black 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

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

CIELCh 59, 34.492, 80.790

Background



This preview shows how black text looks on a background with the CIELCh color 59, 34.492, 80.790.



This preview shows how white text looks on a background with the CIELCh color 59, 34.492, 80.790.

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


59, 34.492, 80.790

Protanopia

59, 32.835, 95.403

Deuteranopia

59, 34.965, 77.827



Tritanopia
59, 18.919, 4.286

Trichromacy



Original Color
59, 34.492, 80.790

Protanomaly
59, 33.214, 89.893

Deuteranomaly
59, 34.727, 78.470

Tritanomaly
59, 18.905, 45.346

Monochromacy



Original Color
59, 34.492, 80.790

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 12.358, 84.996

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 34.492, 80.790 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, 137, 82)` looks like.

```
.text, #text, p{  
    color:rgb(170, 137, 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(170, 137, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 137, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 34.492, 80.790 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, 137, 82) }
```

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

```
.border{ border-color:rgb(170, 137, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 137, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 137, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 137, 82);  
box-shadow:4px 4px 4px 4px rgb(170, 137,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 34.492, 80.790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 137, 82) }
```

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

```
.background{ background-color: rgb(170,  
137, 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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