

Converting Colors

CIELCh(59, 31.829, 81.295)

Have a look what the booklet for
CIELCh(59, 31.829, 81.295) contains.

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Color

CIELCh(59, 31.570, 80.618)

Conversions

Conversions Part 1

Format	Color
Hex	A88957
RGB	168, 137, 87
RGB Percent	66%, 54%, 34%
CMY	0.3399, 0.4616, 0.6577
CMYK	0.00, 0.18, 0.48, 0.34
HSL	37°, 32%, 50%
HSV	37°, 48%, 66%
XYZ	26.9356, 27.0277, 12.8739
YIQ	140.5690, 34.5260, -8.9780

Conversions

Conversions Part 2

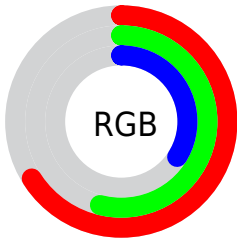
Format	Color
RYB	137, 168, 87
Decimal	11045207
CIELab	59.00, 5.15, 31.15
CIELCh	59, 31.570, 80.618
Yxy	27.0277, 0.4030, 0.4044
Android (android.graphics.Color)	4289235287 (0xFFA88957)
YUV	140.5690, -26.4095, 24.0570
Hunter-Lab	51.9882, 1.5031, 21.7097

Details

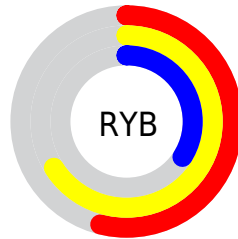
The CIELCh color **59, 31.570, 80.618** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **49, 30.339, 275.668**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 31.383, 80.072**, and **39, 31.508, 80.094** is the 20% darker color. If you saturate the color by 10%, you get **57, 38.428, 79.186**, and if you desaturate by 10%, it is **61, 24.734, 82.010**.

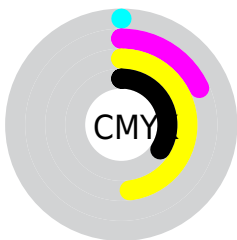
Distribution



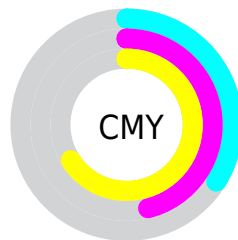
- Red (66%)
- Green (54%)
- Blue (34%)



- Red (54%)
- Yellow (66%)
- Blue (34%)



- Cyan (0%)
- Magenta (18%)
- Yellow (48%)
- Black (34%)



- Cyan (34%)
- Magenta (46%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 31.570, 80.618 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, 31.570, 80.618 by changing the saturation by 10% instead.

■ 59, 31.570, 80.618

■ 59, 31.570, 80.618

■ 100, 31.570,
80.618

■ 49, 31.570, 80.618

■ 79, 31.570, 80.618

■ 39, 31.570, 80.618

■ 89, 31.570, 80.618

■ 29, 31.570, 80.618

■ 99, 31.570, 80.618

■ 19, 31.570, 80.618

■ 9, 31.570, 80.618

■ 0, 31.570, 80.618

■ 59, 31.570, 80.618

■ 59, 31.570, 80.618

■ 57, 38.428, 79.186

■ 61, 24.734, 82.010

■ 55, 45.117, 77.667

■ 63, 18.015, 83.357

■ 53, 51.283, 75.997

■ 65, 11.456, 84.664

■ 52, 56.348, 74.035

■ 67, 5.068, 85.912

■ 50, 59.861, 71.658

■ 69, 1.148, 267.406

■ 50, 60.518, 71.239

■ 72, 7.201, 268.414

■ 74, 13.105,
269.537

■ 76, 18.872,
270.618

■ 78, 24.514,
271.651

Harmonies

Complementary

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



59, 31.570, 80.618



49, 30.339, 275.668

Rectangle

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



59, 31.570, 80.618



59, 31.570, 130.618



59, 31.570, 260.618



59, 31.570, 310.618

Sweetspot

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



59, 31.570, 80.623



84, 10.901, 85.159



48, 36.926, 356.224



44, 7.537, 84.896



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



59, 31.570, 80.623



73, 47.562, 79.051



67, 43.328, 111.076



35, 3.527, 85.775



44, 55.014, 71.613



4, 5.943, 79.552

Inverse Universe

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



49, 30.339, 275.668



58, 45.583, 278.696



42, 49.066, 300.074



33, 3.508, 268.222



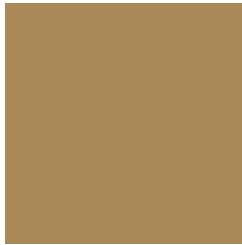
27, 58.906, 292.873



2, 6.738, 271.439

Previews

White Background



This preview shows how the CIELCh color 59, 31.570, 80.618 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, 31.570, 80.618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

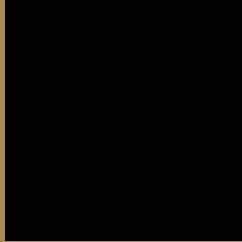
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 31.570, 80.618

Background



This preview shows how black text looks on a background with the CIELCh color 59, 31.570, 80.618.



This preview shows how white text looks on a background with the CIELCh color 59, 31.570, 80.618.

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, 31.570, 80.618

Protanopia

59, 30.107, 95.672

Deuteranopia

59, 31.802, 76.326



Tritanopia
59, 17.726, 2.922

Trichromacy



Original Color
59, 31.570, 80.618

Protanomaly
59, 30.477, 89.712

Deuteranomaly
59, 31.553, 77.014

Tritanomaly
59, 17.549, 43.341

Monochromacy



Original Color
59, 31.570, 80.618

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 11.666, 85.874

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 31.570, 80.618 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(168, 137, 87)` looks like.

```
.text, #text, p{  
    color:rgb(168, 137, 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(168, 137, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 137, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 31.570, 80.618 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(168, 137, 87) }
```

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

```
.border{ border-color:rgb(168, 137, 87) }
```

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

Here you see how a box with a 4 pixel rgb(168, 137, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 137, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 137, 87);  
box-shadow:4px 4px 4px 4px rgb(168, 137,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 31.570, 80.618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 137, 87) }
```

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

```
.background{ background-color: rgb(168,  
137, 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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