

Converting Colors

CIELCh(59, 62.841, 87.717)

Have a look what the booklet for
CIELCh(59, 62.841, 87.717) contains.

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Color

CIELCh(59, 62.901, 87.646)

Conversions

Conversions Part 1

Format	Color
Hex	AD8A06
RGB	173, 138, 6
RGB Percent	68%, 54%, 2%
CMY	0.3221, 0.4592, 0.9773
CMYK	0.00, 0.20, 0.97, 0.32
HSL	47°, 94%, 35%
HSV	47°, 97%, 68%
XYZ	26.3099, 27.0277, 3.9958
YIQ	133.4170, 63.2320, -33.6320

Conversions

Conversions Part 2

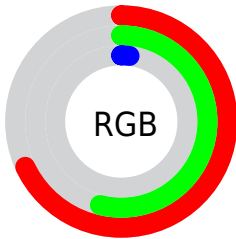
Format	Color
R_{YB}	50, 173, 6
Decimal	11373062
CIE _{Lab}	59.00, 2.58, 62.85
CIE _{LCh}	59, 62.901, 87.646
Yxy	27.0277, 0.4589, 0.4714
Android (android.graphics.Color)	4289563142 (0xFFAD8A06)
YUV	133.4170, -62.8166, 34.7143
Hunter-Lab	51.9882, -0.6451, 31.8348

Details

The CIELCh color **59, 62.901, 87.646** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **26, 83.447, 301.187**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **79, 62.772, 87.399**, and **39, 47.300, 85.812** is the 20% darker color. If you saturate the color by 10%, you get **59, 63.620, 87.146**, and if you desaturate by 10%, it is **60, 60.291, 89.142**.

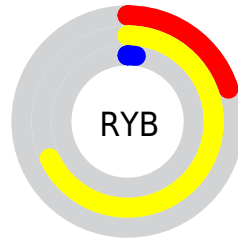
Distribution



Red (68%)

Green (54%)

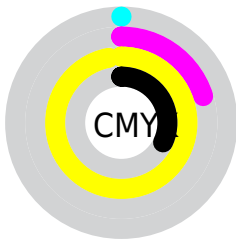
Blue (2%)



Red (20%)

Yellow (68%)

Blue (2%)

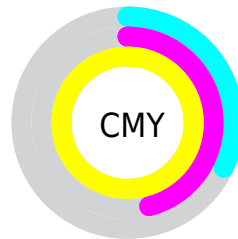


Cyan (0%)

Magenta (20%)

Yellow (97%)

Black (32%)



Cyan (32%)

Magenta (46%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 62.901, 87.646 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, 62.901, 87.646 by changing the saturation by 10% instead.

■ 59, 62.901, 87.646

■ 59, 62.901, 87.646

■ 100, 62.901,
87.646

■ 49, 62.901, 87.646

■ 79, 62.901, 87.646

■ 39, 62.901, 87.646

■ 89, 62.901, 87.646

■ 29, 62.901, 87.646

■ 99, 62.901, 87.646

■ 19, 62.901, 87.646

■ 9, 62.901, 87.646

■ 0, 62.901, 87.646

■ 59, 62.901, 87.646

■ 59, 62.901, 87.646

■ 59, 63.620, 87.146

■ 60, 60.291, 89.142

■ 61, 55.774, 90.508

■ 62, 49.816, 91.806

■ 63, 42.966, 93.071

■ 64, 35.624, 94.317

■ 66, 28.041, 95.546

■ 67, 20.366, 96.754

■ 68, 12.685, 97.932

■ 70, 5.044, 99.064

Harmonies

Complementary

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



59, 62.901, 87.646



26, 83.447, 301.187

Rectangle

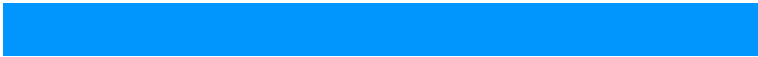
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59, 62.901, 87.646



59, 62.901, 137.646



59, 62.901, 267.646



59, 62.901, 317.646

Sweetspot

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



59, 62.900, 87.649



84, 27.407, 96.412



36, 66.938, 26.234



44, 18.793, 95.914



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, 62.900, 87.649



75, 77.183, 86.825



65, 75.065, 118.726



36, 4.306, 98.771



52, 57.493, 87.348



6, 8.391, 94.869

Inverse Universe

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



26, 83.447, 301.187



33, 106.335, 302.461



23, 95.485, 308.116



34, 4.352, 280.958



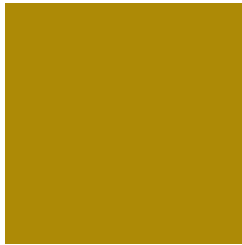
21, 77.031, 301.688



1, 9.486, 282.106

Previews

White Background



This preview shows how the CIELCh color 59, 62.901, 87.646 looks on a white background.

Color Contrast Check

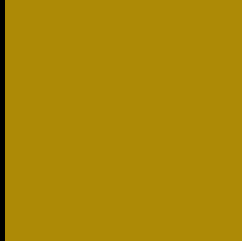
Large Text (above 18pt) WCAG AA ✓ Pass

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, 62.901, 87.646 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, 62.901, 87.646

Background



This preview shows how black text looks on a background with the CIELCh color 59, 62.901, 87.646.

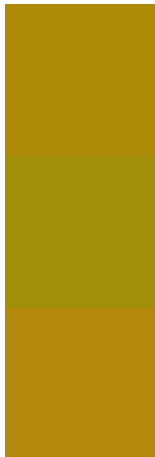


This preview shows how white text looks on a background with the CIELCh color 59, 62.901, 87.646.

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, 62.901, 87.646

Protanopia

59, 62.213, 95.179

Deuteranopia

59, 62.503, 83.079



Tritanopia
59, 21.739, 6.968

Trichromacy



Original Color
59, 62.901, 87.646

Protanomaly
59, 62.222, 92.492

Deuteranomaly
59, 62.597, 84.895

Tritanomaly
59, 31.720, 67.611

Monochromacy



Original Color
59, 62.901, 87.646

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 27.574, 95.711

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 62.901, 87.646 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(173, 138, 6)` looks like.

```
.text, #text, p{  
    color:rgb(173, 138, 6)  
}
```

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(173, 138, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 138, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 62.901, 87.646 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(173, 138, 6) }
```

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

```
.border{ border-color:rgb(173, 138, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 138, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 138, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 138, 6);  
box-shadow:4px 4px 4px 4px rgb(173, 138,  
6) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 62.901, 87.646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 138, 6) }
```

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

```
.background{ background-color: rgb(173,  
138, 6) }
```

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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