

Converting Colors

CIELCh(60, 63.231, 87.436)

Have a look what the booklet for
CIELCh(60, 63.231, 87.436) contains.

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Color

CIELCh(60, 63.216, 87.375)

Conversions

Conversions Part 1

Format	Color
Hex	B08C0A
RGB	176, 140, 10
RGB Percent	69%, 55%, 4%
CMY	0.3086, 0.4499, 0.9623
CMYK	0.00, 0.20, 0.95, 0.31
HSL	47°, 90%, 36%
HSV	47°, 95%, 69%
XYZ	27.4454, 28.1233, 4.2578
YIQ	135.9440, 63.1860, -32.7980

Conversions

Conversions Part 2

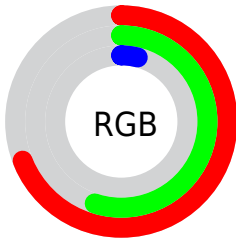
Format	Color
RYB	56, 176, 10
Decimal	11570186
CIELab	60.00, 2.90, 63.15
CIELCh	60, 63.216, 87.375
Yxy	28.1233, 0.4587, 0.4701
Android (android.graphics.Color)	4289760266 (0xFFB08C0A)
YUV	135.9440, -62.0904, 35.1291
Hunter-Lab	53.0314, -0.4258, 32.3617

Details

The CIELCh color **60, 63.216, 87.375** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **27, 82.269, 300.396**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **80, 62.887, 87.101**, and **40, 47.972, 84.815** is the 20% darker color. If you saturate the color by 10%, you get **59, 64.363, 86.520**, and if you desaturate by 10%, it is **61, 60.189, 88.891**.

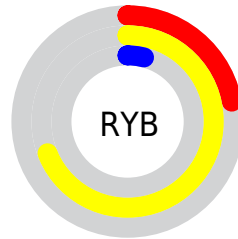
Distribution



Red (69%)

Green (55%)

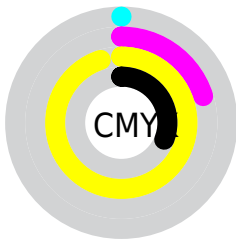
Blue (4%)



Red (22%)

Yellow (69%)

Blue (4%)

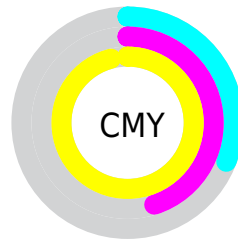


Cyan (0%)

Magenta (20%)

Yellow (95%)

Black (31%)



Cyan (31%)

Magenta (45%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 63.216, 87.375 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 60, 63.216, 87.375 by changing the saturation by 10% instead.

60, 63.216, 87.375

60, 63.216, 87.375

100, 63.216,
87.375

50, 63.216, 87.375

80, 63.216, 87.375

40, 63.216, 87.375

90, 63.216, 87.375

30, 63.216, 87.375

20, 63.216, 87.375

10, 63.216, 87.375

0, 63.216, 87.375

60, 63.216, 87.375

60, 63.216, 87.375

59, 64.363, 86.520

61, 60.189, 88.891

62, 55.241, 90.269

■ 63, 48.960, 91.580

■ 65, 41.883, 92.858

■ 66, 34.379, 94.114

■ 67, 26.679, 95.351

■ 68, 18.915, 96.563

■ 70, 11.163, 97.742

■ 71, 3.465, 98.862

Harmonies

Complementary

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



60, 63.216, 87.375



27, 82.269, 300.396

Rectangle

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



60, 63.216, 87.375



60, 63.216, 137.375



60, 63.216, 267.375



60, 63.216, 317.375

Sweetspot

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



60, 63.215, 87.378



86, 26.769, 96.088



37, 66.998, 25.212



45, 18.476, 95.575



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



60, 63.215, 87.378



76, 78.270, 86.188



66, 75.633, 118.560



37, 4.379, 98.339



52, 58.032, 86.731



6, 9.653, 93.496

Inverse Universe

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



27, 82.269, 300.396



34, 107.458, 302.266



24, 95.857, 308.114



35, 4.424, 280.547



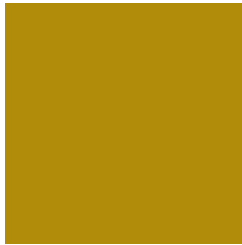
22, 77.467, 301.482



2, 11.178, 282.321

Previews

White Background



This preview shows how the CIELCh color 60, 63.216, 87.375 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 60, 63.216, 87.375 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 60, 63.216, 87.375

Background



This preview shows how black text looks on a background with the CIELCh color 60, 63.216, 87.375.



This preview shows how white text looks on a background with the CIELCh color 60, 63.216, 87.375.

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


60, 63.066, 87.356

Protanopia

60, 62.411, 95.274

Deuteranopia

60, 63.134, 82.902



Tritanopia
60, 22.079, 7.257

Trichromacy



Original Color
60, 63.066, 87.356

Protanomaly
60, 62.518, 92.180

Deuteranomaly
60, 63.248, 84.271

Tritanomaly
60, 31.800, 65.961

Monochromacy



Original Color
60, 63.066, 87.356

Achromatopsia
57, 0.007, 296.813

Achromatomaly
58, 27.572, 94.893

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 63.216, 87.375 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(176, 140, 10)` looks like.

```
.text, #text, p{  
    color:rgb(176, 140, 10)  
}
```

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(176, 140, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 140, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 63.216, 87.375 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(176, 140, 10) }
```

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

```
.border{ border-color:rgb(176, 140, 10) }
```

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

Here you see how a box with a 4 pixel rgb(176, 140, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 140, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 140, 10);  
box-shadow:4px 4px 4px 4px rgb(176, 140,  
10) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 63.216, 87.375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 140, 10) }
```

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

```
.background{ background-color: rgb(176,  
140, 10) }
```

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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