

Converting Colors

CIELCh(61, 50.771, 87.809)

Have a look what the booklet for
CIELCh(61, 50.771, 87.809) contains.

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Color

CIELCh(61, 50.778, 88.083)

Conversions

Conversions Part 1

Format	Color
Hex	AF9035
RGB	175, 144, 53
RGB Percent	69%, 56%, 21%
CMY	0.3144, 0.4359, 0.7928
CMYK	0.00, 0.18, 0.70, 0.31
HSL	45°, 54%, 45%
HSV	45°, 70%, 69%
XYZ	28.2285, 29.2481, 7.5068
YIQ	142.8950, 47.6870, -21.7290

Conversions

Conversions Part 2

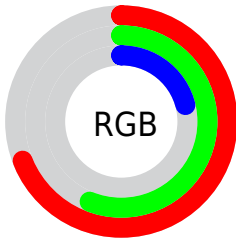
Format	Color
RYB	95, 175, 53
Decimal	11505717
CIELab	61.00, 1.70, 50.75
CIELCh	61, 50.778, 88.083
Yxy	29.2481, 0.4344, 0.4501
Android (android.graphics.Color)	4289695797 (0xFFAF9035)
YUV	142.8950, -44.3182, 28.1561
Hunter-Lab	54.0815, -1.4726, 29.6273

Details

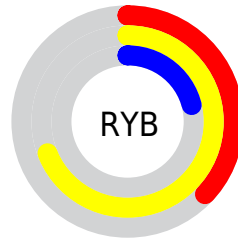
The CIELCh color **61, 50.778, 88.083** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **38, 55.698, 290.928**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 50.627, 88.518**, and **41, 48.597, 87.681** is the 20% darker color. If you saturate the color by 10%, you get **60, 56.480, 86.621**, and if you desaturate by 10%, it is **62, 44.112, 89.467**.

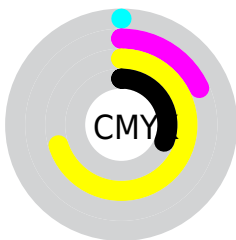
Distribution



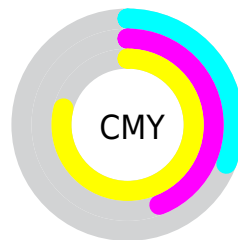
- Red (69%)
- Green (56%)
- Blue (21%)



- Red (37%)
- Yellow (69%)
- Blue (21%)



- Cyan (0%)
- Magenta (18%)
- Yellow (70%)
- Black (31%)



- Cyan (31%)
- Magenta (44%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 50.778, 88.083 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 61, 50.778, 88.083 by changing the saturation by 10% instead.

61, 50.778, 88.083

61, 50.778, 88.083

100, 50.778,
88.083

51, 50.778, 88.083

81, 50.778, 88.083

41, 50.778, 88.083

91, 50.778, 88.083

31, 50.778, 88.083

21, 50.778, 88.083

11, 50.778, 88.083

1, 50.778, 88.083

0, 50.778, 88.083

61, 50.778, 88.083

61, 50.778, 88.083

60, 56.480, 86.621

62, 44.112, 89.467

■ 58, 60.611, 84.999

■ 64, 36.930, 90.801

■ 57, 63.053, 83.186

■ 65, 29.513, 92.103

■ 57, 63.109, 83.145

■ 67, 22.023, 93.374

■ 68, 14.551, 94.611

■ 70, 7.145, 95.804

■ 71, 0.174, 277.976

■ 73, 7.394, 278.133

■ 75, 14.515,
279.194

Harmonies

Complementary

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



61, 50.778, 88.083



38, 55.698, 290.928

Rectangle

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



61, 50.778, 88.083



61, 50.778, 138.083



61, 50.778, 268.083



61, 50.778, 318.083

Sweetspot

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



61, 50.778, 88.086



86, 19.125, 94.417



42, 52.406, 10.238



46, 13.068, 94.085



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



61, 50.778, 88.086



75, 71.778, 85.725



67, 62.431, 115.436



36, 4.110, 95.858



50, 56.556, 83.420



5, 7.930, 90.789

Inverse Universe

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



38, 55.698, 290.928



42, 84.743, 295.893



33, 74.977, 305.815



34, 4.140, 278.128



22, 72.878, 299.942



2, 9.120, 279.972

Previews

White Background



This preview shows how the CIELCh color 61, 50.778, 88.083 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 61, 50.778, 88.083 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 61, 50.778, 88.083

Background



This preview shows how black text looks on a background with the CIELCh color 61, 50.778, 88.083.



This preview shows how white text looks on a background with the CIELCh color 61, 50.778, 88.083.

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

61, 50.778, 88.083

Protanopia

61, 50.364, 95.563

Deuteranopia

61, 51.134, 81.052



Tritanopia
61, 19.573, 5.015

Trichromacy



Original Color
61, 50.778, 88.083

Protanomaly
61, 50.115, 92.303

Deuteranomaly
61, 50.710, 83.122

Tritanomaly
61, 23.665, 59.848

Monochromacy



Original Color
61, 50.778, 88.083

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 19.230, 92.598

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 50.778, 88.083 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(175, 144, 53)` looks like.

```
.text, #text, p{  
    color:rgb(175, 144, 53)  
}
```

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(175, 144, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 144, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 50.778, 88.083 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(175, 144, 53) }
```

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

```
.border{ border-color:rgb(175, 144, 53) }
```

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

Here you see how a box with a 4 pixel rgb(175, 144, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 144, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 144, 53);  
box-shadow:4px 4px 4px 4px rgb(175, 144,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 50.778, 88.083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 144, 53) }
```

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

```
.background{ background-color: rgb(175,  
144, 53) }
```

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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