

Converting Colors

CIELCh(61, 55.543, 71.909)

Have a look what the booklet for
CIELCh(61, 55.543, 71.909) contains.

CIELCh(61, 55.565, 71.968)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(61, 55.565, 71.968)

Conversions

Conversions Part 1

Format	Color
Hex	C68632
RGB	198, 134, 50
RGB Percent	78%, 53%, 20%
CMY	0.2239, 0.4748, 0.8042
CMYK	0.00, 0.32, 0.75, 0.22
HSL	34°, 60%, 49%
HSV	34°, 75%, 78%
XYZ	32.3493, 29.2481, 6.9483
YIQ	143.5600, 65.1080, -12.5560

Conversions

Conversions Part 2

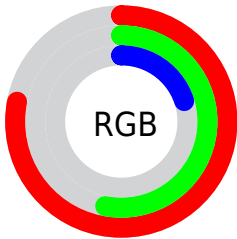
Format	Color
RYB	163, 198, 50
Decimal	13010482
CIELab	61.00, 17.20, 52.84
CIElCh	61, 55.565, 71.968
Yxy	29.2481, 0.4719, 0.4267
Android (android.graphics.Color)	4291200562 (0xFFC68632)
YUV	143.5600, -46.1251, 47.7439
Hunter-Lab	54.0815, 12.1285, 30.2396

Details

The CIELCh color **61, 55.565, 71.968** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **48, 50.432, 280.011**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 54.754, 73.251**, and **41, 52.635, 70.628** is the 20% darker color. If you saturate the color by 10%, you get **59, 62.130, 70.077**, and if you desaturate by 10%, it is **63, 48.078, 73.584**.

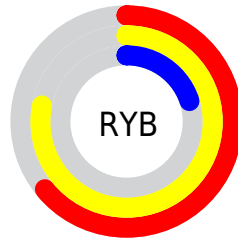
Distribution



Red (78%)

Green (53%)

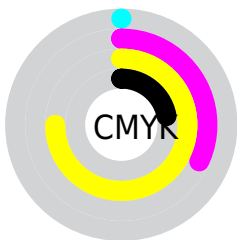
Blue (20%)



Red (64%)

Yellow (78%)

Blue (20%)

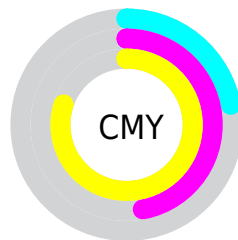


Cyan (0%)

Magenta (32%)

Yellow (75%)

Black (22%)



Cyan (22%)

Magenta (47%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 55.565, 71.968 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, 55.565, 71.968 by changing the saturation by 10% instead.

61, 55.565, 71.968

61, 55.565, 71.968

100, 55.565,
71.968

51, 55.565, 71.968

81, 55.565, 71.968

41, 55.565, 71.968

91, 55.565, 71.968

31, 55.565, 71.968

21, 55.565, 71.968

11, 55.565, 71.968

1, 55.565, 71.968

0, 55.565, 71.968

61, 55.565, 71.968

61, 55.565, 71.968

59, 62.130, 70.077

63, 48.078, 73.584

57, 66.911, 67.645

66, 40.264, 75.061

56, 68.899, 66.257

68, 32.446, 76.470

71, 24.784, 77.838

73, 17.349, 79.174

76, 10.163, 80.472

79, 3.224, 81.681

81, 3.483, 263.103

84, 9.976, 264.237

Harmonies

Complementary

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



61, 55.565, 71.968



48, 50.432, 280.011

Rectangle

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



61, 55.565, 71.968



61, 55.565, 121.968



61, 55.565, 251.968



61, 55.565, 301.968

Sweetspot

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



61, 55.564, 71.971



93, 18.842, 79.496



46, 61.988, 358.803



49, 12.723, 79.134



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



61, 55.564, 71.971



73, 79.312, 68.558



77, 70.873, 107.133



41, 3.878, 81.146



46, 59.628, 66.800



8, 13.128, 66.080

Inverse Universe

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



48, 50.432, 280.011



54, 75.154, 286.705



32, 89.835, 303.630



40, 3.831, 263.669



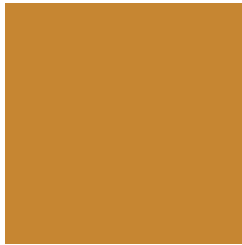
32, 58.407, 289.605



4, 15.116, 275.451

Previews

White Background



This preview shows how the CIELCh color 61, 55.565, 71.968 looks on a white background.

Color Contrast Check

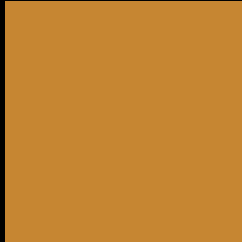
Large Text (above 18pt) WCAG AA ✓ Pass

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, 55.565, 71.968 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, 55.565, 71.968

Background



This preview shows how black text looks on a background with the CIELCh color 61, 55.565, 71.968.



This preview shows how white text looks on a background with the CIELCh color 61, 55.565, 71.968.

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, 55.565, 71.968

Protanopia

61, 50.364, 95.563

Deuteranopia

61, 53.797, 81.346



Tritanopia
61, 32.376, 13.369

Trichromacy



Original Color
61, 55.565, 71.968

Protanomaly
61, 50.849, 86.461

Deuteranomaly
61, 54.229, 77.804

Tritanomaly
61, 35.614, 44.063

Monochromacy



Original Color
61, 55.565, 71.968

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 20.169, 78.734

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 55.565, 71.968 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(198, 134, 50)` looks like.

```
.text, #text, p{  
    color:rgb(198, 134, 50)  
}
```

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(198, 134, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 134, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 55.565, 71.968 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(198, 134, 50) }
```

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

```
.border{ border-color:rgb(198, 134, 50) }
```

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

Here you see how a box with a 4 pixel rgb(198, 134, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 134, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 134, 50);  
box-shadow:4px 4px 4px 4px rgb(198, 134,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 55.565, 71.968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 134, 50) }
```

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

```
.background{ background-color: rgb(198,  
134, 50) }
```

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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