

Converting Colors

CIELCh(69, 55.070, 88.442)

Have a look what the booklet for
CIELCh(69, 55.070, 88.442) contains.

CIELCh(69, 55.070, 88.432)	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(69, 55.070, 88.432)

Conversions

Conversions Part 1

Format	Color
Hex	C7A540
RGB	199, 165, 64
RGB Percent	78%, 65%, 25%
CMY	0.2203, 0.3535, 0.7496
CMYK	0.00, 0.17, 0.68, 0.22
HSL	45°, 55%, 52%
HSV	45°, 68%, 78%
XYZ	37.8590, 39.3444, 10.4272
YIQ	163.6520, 52.6850, -24.2030

Conversions

Conversions Part 2

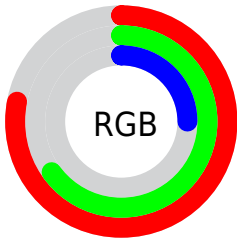
Format	Color
RYB	109, 199, 64
Decimal	13083968
CIELab	69.00, 1.51, 55.05
CIELCh	69, 55.070, 88.432
Yxy	39.3444, 0.4320, 0.4490
Android (android.graphics.Color)	4291274048 (0xFFC7A540)
YUV	163.6520, -49.1284, 31.0002
Hunter-Lab	62.7251, -2.0317, 34.0514

Details

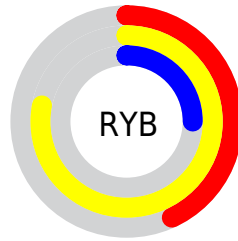
The CIELCh color **69, 55.070, 88.432** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **44, 60.250, 290.671**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 54.460, 90.079**, and **49, 55.091, 88.937** is the 20% darker color. If you saturate the color by 10%, you get **68, 61.561, 86.977**, and if you desaturate by 10%, it is **70, 47.568, 89.816**.

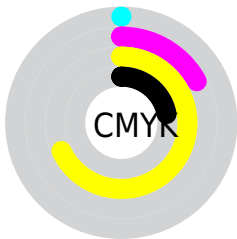
Distribution



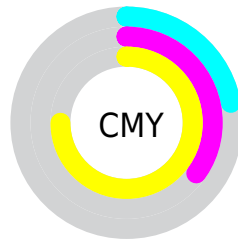
- Red (78%)
- Green (65%)
- Blue (25%)



- Red (43%)
- Yellow (78%)
- Blue (25%)



- Cyan (0%)
- Magenta (17%)
- Yellow (68%)
- Black (22%)



- Cyan (22%)
- Magenta (35%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 55.070, 88.432 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 69, 55.070, 88.432 by changing the saturation by 10% instead.

69, 55.070, 88.432

69, 55.070, 88.432

100, 55.070,
88.432

59, 55.070, 88.432

89, 55.070, 88.432

49, 55.070, 88.432

99, 55.070, 88.432

39, 55.070, 88.432

29, 55.070, 88.432

19, 55.070, 88.432

9, 55.070, 88.432

0, 55.070, 88.432

69, 55.070, 88.432

69, 55.070, 88.432

68, 61.561, 86.977

70, 47.568, 89.816

66, 66.371, 85.374

72, 39.535, 91.154

65, 68.990, 83.535

74, 31.268, 92.459

65, 69.449, 83.141

75, 22.937, 93.734

77, 14.634, 94.974

79, 6.408, 96.164

81, 1.718, 277.466

82, 9.735, 278.495

84, 17.641,
279.556

Harmonies

Complementary

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



69, 55.070, 88.432



44, 60.250, 290.671

Rectangle

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



69, 55.070, 88.432



69, 55.070, 138.432



69, 55.070, 268.432



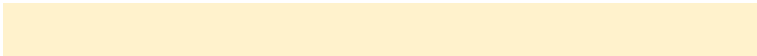
69, 55.070, 318.432

Sweetspot

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



69, 55.070, 88.435



96, 20.054, 94.679



48, 56.771, 9.826



50, 13.703, 94.327



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 55.070, 88.435



84, 77.043, 86.310



76, 67.740, 115.459



41, 4.614, 95.991



54, 60.047, 83.468



10, 15.128, 87.583

Inverse Universe

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



44, 60.250, 290.671



48, 89.829, 295.196



38, 80.999, 305.680



39, 4.649, 278.297



24, 78.103, 300.247



3, 17.808, 284.203

Previews

White Background



This preview shows how the CIELCh color 69, 55.070, 88.432 looks on a white background.

Color Contrast Check

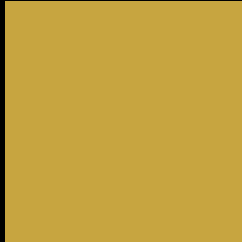
Large Text (above 18pt) WCAG AA × Fail

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 69, 55.070, 88.432 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 ✓ Pass

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

CIELCh 69, 55.070, 88.432

Background



This preview shows how black text looks on a background with the CIELCh color 69, 55.070, 88.432.



This preview shows how white text looks on a background with the CIELCh color 69, 55.070, 88.432.

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

69, 55.070, 88.432

Protanopia

69, 54.580, 95.613

Deuteranopia

69, 55.545, 80.666



Tritanopia
69, 21.630, 3.999

Trichromacy



Original Color
69, 55.070, 88.432

Protanomaly
69, 54.320, 92.683

Deuteranomaly
69, 55.122, 83.536

Tritanomaly
69, 25.390, 58.804

Monochromacy



Original Color
69, 55.070, 88.432

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 20.447, 92.828

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 55.070, 88.432 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(199, 165, 64)` looks like.

```
.text, #text, p{  
    color:rgb(199, 165, 64)  
}
```

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(199, 165, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 165, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 55.070, 88.432 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(199, 165, 64) }
```

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

```
.border{ border-color:rgb(199, 165, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 165, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 165, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 165, 64);  
box-shadow:4px 4px 4px 4px rgb(199, 165,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 55.070, 88.432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 165, 64) }
```

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

```
.background{ background-color: rgb(199,  
165, 64) }
```

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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