

Converting Colors

CIELCh(62, 69.246, 75.612)

Have a look what the booklet for
CIELCh(62, 69.246, 75.612) contains.

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Color

CIELCh(62, 69.218, 75.674)

Conversions

Conversions Part 1

Format	Color
Hex	CB8802
RGB	203, 136, 2
RGB Percent	80%, 53%, 1%
CMY	0.2030, 0.4658, 0.9904
CMYK	0.00, 0.33, 0.99, 0.20
HSL	40°, 98%, 40%
HSV	40°, 99%, 80%
XYZ	33.5417, 30.4025, 4.1704
YIQ	140.7570, 82.9460, -27.4700

Conversions

Conversions Part 2

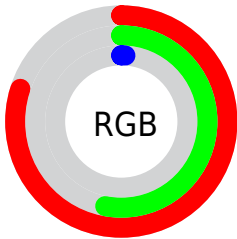
Format	Color
RYB	103, 203, 2
Decimal	13338626
CIELab	62.00, 17.13, 67.07
CIELCh	62, 69.218, 75.674
Yxy	30.4025, 0.4924, 0.4463
Android (android.graphics.Color)	4291528706 (0xFFCB8802)
YUV	140.7570, -68.4072, 54.5871
Hunter-Lab	55.1385, 12.0923, 34.1125

Details

The CIELCh color **62, 69.218, 75.674** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **35, 81.871, 296.419**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 66.885, 78.716**, and **42, 53.757, 70.269** is the 20% darker color. If you saturate the color by 10%, you get **62, 69.558, 75.393**, and if you desaturate by 10%, it is **64, 66.141, 78.037**.

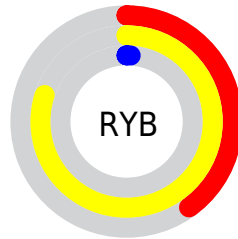
Distribution



Red (80%)

Green (53%)

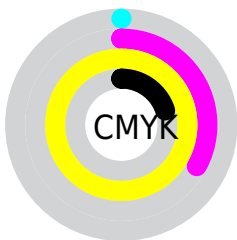
Blue (1%)



Red (40%)

Yellow (80%)

Blue (1%)

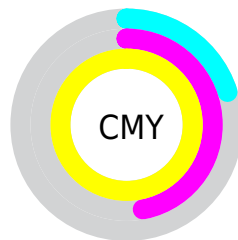


Cyan (0%)

Magenta (33%)

Yellow (99%)

Black (20%)



Cyan (20%)

Magenta (47%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 69.218, 75.674 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 62, 69.218, 75.674 by changing the saturation by 10% instead.

62, 69.218, 75.674

62, 69.218, 75.674

100, 69.218,
75.674

52, 69.218, 75.674

82, 69.218, 75.674

42, 69.218, 75.674

92, 69.218, 75.674

32, 69.218, 75.674

22, 69.218, 75.674

12, 69.218, 75.674

2, 69.218, 75.674

0, 69.218, 75.674

62, 69.218, 75.674

62, 69.218, 75.674

62, 69.558, 75.393

64, 66.141, 78.037

65, 60.957, 79.990

67, 54.187, 81.667

69, 46.558, 83.196

71, 38.555, 84.644

73, 30.453, 86.040

75, 22.401, 87.394

78, 14.472, 88.707

80, 6.696, 89.964

Harmonies

Complementary

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



62, 69.218, 75.674



35, 81.871, 296.419

Rectangle

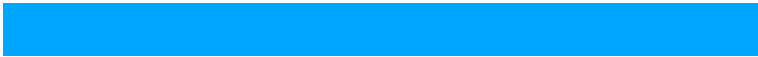
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62, 69.218, 75.674



62, 69.218, 125.674



62, 69.218, 255.674



62, 69.218, 305.674

Sweetspot

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



62, 69.216, 75.677



92, 28.100, 87.180



43, 72.129, 16.255



48, 19.247, 86.604



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



62, 69.216, 75.677



76, 82.509, 74.972



77, 82.688, 111.888



42, 4.334, 89.890



51, 59.793, 75.849



10, 15.387, 78.603

Inverse Universe

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



35, 81.871, 296.419



44, 99.783, 297.294



26, 111.154, 306.798



40, 4.333, 272.341



28, 70.196, 296.271



4, 18.187, 282.003

Previews

White Background



This preview shows how the CIELCh color 62, 69.218, 75.674 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 62, 69.218, 75.674 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 62, 69.218, 75.674

Background



This preview shows how black text looks on a background with the CIELCh color 62, 69.218, 75.674.



This preview shows how white text looks on a background with the CIELCh color 62, 69.218, 75.674.

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

62, 69.218, 75.674

Protanopia

62, 64.142, 95.140

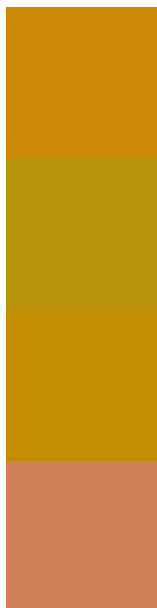
Deuteranopia

62, 67.130, 83.129



Tritanopia
62, 33.935, 14.929

Trichromacy



Original Color
62, 69.218, 75.674

Protanomaly
62, 64.960, 87.926

Deuteranomaly
62, 67.764, 80.330

Tritanomaly
62, 43.658, 54.348

Monochromacy



Original Color
62, 69.218, 75.674

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 29.264, 84.624

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 69.218, 75.674 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(203, 136, 2)` looks like.

```
.text, #text, p{  
    color:rgb(203, 136, 2)  
}
```

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(203, 136, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 136, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 69.218, 75.674 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(203, 136, 2) }
```

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

```
.border{ border-color:rgb(203, 136, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 136, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 136, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 136, 2);  
box-shadow:4px 4px 4px 4px rgb(203, 136,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 69.218, 75.674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 136, 2) }
```

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

```
.background{ background-color: rgb(203,  
136, 2) }
```

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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