

Converting Colors

CIELCh(64, 69.904, 72.655)

Have a look what the booklet for
CIELCh(64, 69.904, 72.655) contains.

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Color

CIELCh(64, 70.087, 72.650)

Conversions

Conversions Part 1

Format	Color
Hex	D78B10
RGB	215, 139, 16
RGB Percent	84%, 55%, 6%
CMY	0.1584, 0.4561, 0.9355
CMYK	0.00, 0.35, 0.92, 0.16
HSL	37°, 86%, 45%
HSV	37°, 92%, 84%
XYZ	37.1966, 32.8017, 4.8781
YIQ	147.7020, 84.7790, -22.1410

Conversions

Conversions Part 2

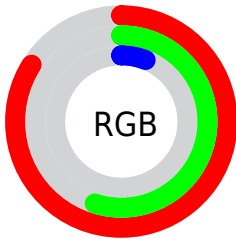
Format	Color
RYB	139, 215, 16
Decimal	14125840
CIELab	64.00, 20.90, 66.90
CIELCh	64, 70.087, 72.650
Yxy	32.8017, 0.4968, 0.4381
Android (android.graphics.Color)	4292315920 (0xFFD78B10)
YUV	147.7020, -64.9291, 59.0203
Hunter-Lab	57.2727, 15.7021, 35.0410

Details

The CIELCh color **64, 70.087, 72.650** 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 **42, 73.256, 291.059**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 65.135, 80.012**, and **44, 56.987, 67.903** is the 20% darker color. If you saturate the color by 10%, you get **63, 72.578, 70.605**, and if you desaturate by 10%, it is **66, 65.064, 74.916**.

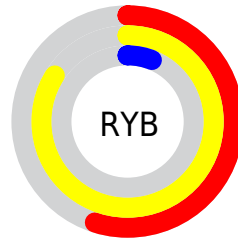
Distribution



Red (84%)

Green (55%)

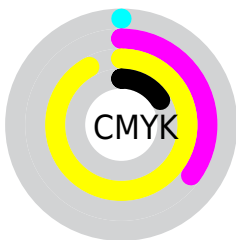
Blue (6%)



Red (55%)

Yellow (84%)

Blue (6%)

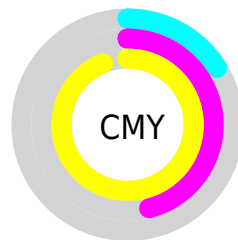


Cyan (0%)

Magenta (35%)

Yellow (92%)

Black (16%)



Cyan (16%)

Magenta (46%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 70.087, 72.650 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 64, 70.087, 72.650 by changing the saturation by 10% instead.

64, 70.087, 72.650

64, 70.087, 72.650

100, 70.087,
72.650

54, 70.087, 72.650

84, 70.087, 72.650

44, 70.087, 72.650

94, 70.087, 72.650

34, 70.087, 72.650

24, 70.087, 72.650

14, 70.087, 72.650

4, 70.087, 72.650

0, 70.087, 72.650

64, 70.087, 72.650

64, 70.087, 72.650

63, 72.578, 70.605

66, 65.064, 74.916

68, 58.181, 76.755

70, 50.299, 78.369

73, 42.008, 79.866

75, 33.645, 81.300

78, 25.380, 82.689

80, 17.293, 84.038

83, 9.417, 85.339

85, 1.755, 86.477

Harmonies

Complementary

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



64, 70.087, 72.650



42, 73.256, 291.059

Rectangle

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



64, 70.087, 72.650



64, 70.087, 122.650



64, 70.087, 252.650



64, 70.087, 302.650

Sweetspot

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



64, 70.085, 72.653



92, 25.133, 83.242



46, 72.853, 9.995



48, 17.453, 82.649



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 70.085, 72.653



73, 82.700, 70.252



82, 84.259, 109.722



44, 4.305, 85.706



50, 61.194, 71.164



11, 17.601, 73.103

Inverse Universe

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



42, 73.256, 291.059



47, 91.945, 294.360



29, 112.794, 306.314



42, 4.280, 268.228



31, 66.279, 293.332



5, 20.053, 281.678

Previews

White Background



This preview shows how the CIELCh color 64, 70.087, 72.650 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 CIELCh color 64, 70.087, 72.650 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 64, 70.087, 72.650

Background



This preview shows how black text looks on a background with the CIELCh color 64, 70.087, 72.650.



This preview shows how white text looks on a background with the CIELCh color 64, 70.087, 72.650.

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

64, 70.264, 72.707

Protanopia

64, 64.250, 95.359

Deuteranopia

64, 68.929, 82.965



Tritanopia
64, 37.496, 15.322

Trichromacy



Original Color
64, 70.264, 72.707

Protanomaly
64, 64.913, 86.913

Deuteranomaly
64, 69.018, 79.300

Tritanomaly
64, 45.107, 50.261

Monochromacy



Original Color
64, 70.264, 72.707

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 27.638, 80.943

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 70.087, 72.650 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(215, 139, 16)` looks like.

```
.text, #text, p{  
    color:rgb(215, 139, 16)  
}
```

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(215, 139, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 139, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 70.087, 72.650 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(215, 139, 16) }
```

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

```
.border{ border-color:rgb(215, 139, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 139, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 139, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 139, 16);  
box-shadow:4px 4px 4px 4px rgb(215, 139,  
16) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 70.087, 72.650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 139, 16) }
```

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

```
.background{ background-color: rgb(215,  
139, 16) }
```

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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