

Converting Colors

CIELCh(64, 65.403, 75.571)

Have a look what the booklet for
CIELCh(64, 65.403, 75.571) contains.

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Color

CIELCh(64, 65.403, 75.388)

Conversions

Conversions Part 1

Format	Color
Hex	D08E1E
RGB	208, 142, 30
RGB Percent	82%, 56%, 12%
CMY	0.1848, 0.4435, 0.8828
CMYK	0.00, 0.32, 0.86, 0.18
HSL	38°, 75%, 47%
HSV	38°, 86%, 82%
XYZ	35.8698, 32.8017, 5.6604
YIQ	148.9660, 75.2880, -20.8400

Conversions

Conversions Part 2

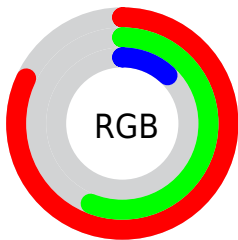
Format	Color
RYB	135, 208, 30
Decimal	13667870
CIELab	64.00, 16.50, 63.29
CIELCh	64, 65.403, 75.388
Yxy	32.8017, 0.4826, 0.4413
Android (android.graphics.Color)	4291857950 (0xFFD08E1E)
YUV	148.9660, -58.6502, 51.7728
Hunter-Lab	57.2727, 11.5670, 34.2312

Details

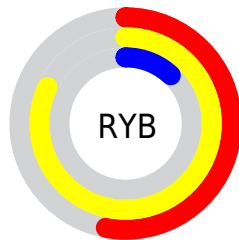
The CIELCh color **64, 65.403, 75.388** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark washed orange. A complement of this color would be **43, 67.164, 289.263**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 61.980, 80.507**, and **44, 55.024, 72.015** is the 20% darker color. If you saturate the color by 10%, you get **62, 69.432, 72.986**, and if you desaturate by 10%, it is **66, 59.266, 77.318**.

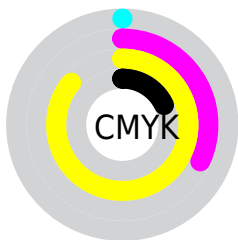
Distribution



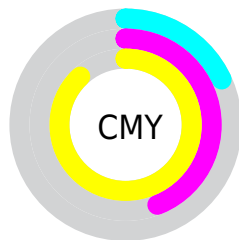
- Red (82%)
- Green (56%)
- Blue (12%)



- Red (53%)
- Yellow (82%)
- Blue (12%)



- Cyan (0%)
- Magenta (32%)
- Yellow (86%)
- Black (18%)



- Cyan (18%)
- Magenta (44%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 65.403, 75.388 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, 65.403, 75.388 by changing the saturation by 10% instead.

■ 64, 65.403, 75.388

■ 64, 65.403, 75.388

■ 100, 65.403,
75.388

■ 54, 65.403, 75.388

■ 84, 65.403, 75.388

■ 44, 65.403, 75.388

■ 94, 65.403, 75.388

■ 34, 65.403, 75.388

■ 24, 65.403, 75.388

■ 14, 65.403, 75.388

■ 4, 65.403, 75.388

■ 0, 65.403, 75.388

■ 64, 65.403, 75.388

■ 64, 65.403, 75.388

■ 62, 69.432, 72.986

■ 66, 59.266, 77.318

61, 70.774, 71.854

68, 51.876, 78.979

70, 43.901, 80.502

72, 35.741, 81.949

75, 27.611, 83.348

77, 19.617, 84.706

80, 11.806, 86.020

82, 4.191, 87.259

85, 3.228, 268.646

Harmonies

Complementary

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



64, 65.403, 75.388



43, 67.164, 289.263

Rectangle

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



64, 65.403, 75.388



64, 65.403, 125.388



64, 65.403, 255.388



64, 65.403, 305.388

Sweetspot

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



64, 65.402, 75.391



92, 23.510, 84.615



46, 68.908, 6.864



48, 16.008, 84.143



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, 65.402, 75.391



74, 82.590, 71.441



79, 79.897, 109.587



43, 4.269, 86.806



50, 60.460, 72.368



10, 16.367, 74.418

Inverse Universe

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



43, 67.164, 289.263



46, 93.943, 295.153



30, 104.818, 305.771



41, 4.251, 269.310



30, 66.892, 294.102



5, 18.964, 281.267

Previews

White Background



This preview shows how the CIELCh color 64, 65.403, 75.388 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 64, 65.403, 75.388 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, 65.403, 75.388

Background



This preview shows how black text looks on a background with the CIELCh color 64, 65.403, 75.388.



This preview shows how white text looks on a background with the CIELCh color 64, 65.403, 75.388.

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, 65.403, 75.388

Protanopia

64, 61.081, 95.312

Deuteranopia

64, 64.263, 82.498



Tritanopia
64, 33.705, 13.850

Trichromacy



Original Color
64, 65.403, 75.388

Protanomaly
64, 61.781, 87.815

Deuteranomaly
64, 64.580, 79.941

Tritanomaly
64, 39.907, 50.473

Monochromacy



Original Color
64, 65.403, 75.388

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 24.733, 82.760

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 65.403, 75.388 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(208, 142, 30)` looks like.

```
.text, #text, p{  
    color:rgb(208, 142, 30)  
}
```

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(208, 142, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 142, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 65.403, 75.388 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(208, 142, 30) }
```

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

```
.border{ border-color:rgb(208, 142, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 142, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 142, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 142, 30);  
box-shadow:4px 4px 4px 4px rgb(208, 142,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 65.403, 75.388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 142, 30) }
```

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

```
.background{ background-color: rgb(208,  
142, 30) }
```

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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