

Converting Colors

CIELCh(65, 71.212, 70.089)

Have a look what the booklet for
CIELCh(65, 71.212, 70.089) contains.

CIELCh(65, 71.037, 70.276)	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(65, 71.037, 70.276)

Conversions

Conversions Part 1

Format	Color
Hex	DE8B16
RGB	222, 139, 22
RGB Percent	87%, 55%, 9%
CMY	0.1295, 0.4549, 0.9138
CMYK	0.00, 0.37, 0.90, 0.13
HSL	35°, 82%, 48%
HSV	35°, 90%, 87%
XYZ	39.4954, 34.0472, 5.2482
YIQ	150.4790, 87.0250, -18.7910

Conversions

Conversions Part 2

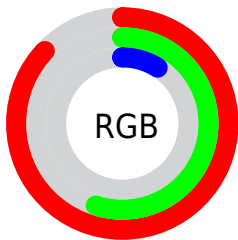
Format	Color
RYB	164, 222, 22
Decimal	14584598
CIELab	65.00, 23.97, 66.87
CIElCh	65, 71.037, 70.276
Yxy	34.0472, 0.5013, 0.4321
Android (android.graphics.Color)	4292774678 (0xFFDE8B16)
YUV	150.4790, -63.3401, 62.7239
Hunter-Lab	58.3500, 18.7091, 35.5122

Details

The CIELCh color **65, 71.037, 70.276** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **46, 69.339, 287.860**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 63.536, 79.568**, and **45, 59.250, 65.522** is the 20% darker color. If you saturate the color by 10%, you get **63, 74.844, 67.565**, and if you desaturate by 10%, it is **67, 65.063, 72.470**.

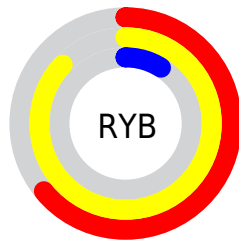
Distribution



Red (87%)

Green (55%)

Blue (9%)



Red (64%)

Yellow (87%)

Blue (9%)

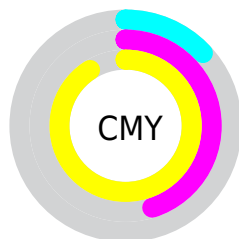


Cyan (0%)

Magenta (37%)

Yellow (90%)

Black (13%)



Cyan (13%)

Magenta (45%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 71.037, 70.276 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 65, 71.037, 70.276 by changing the saturation by 10% instead.

65, 71.037, 70.276

65, 71.037, 70.276

100, 71.037,
70.276

55, 71.037, 70.276

85, 71.037, 70.276

45, 71.037, 70.276

95, 71.037, 70.276

35, 71.037, 70.276

25, 71.037, 70.276

15, 71.037, 70.276

5, 71.037, 70.276

0, 71.037, 70.276

65, 71.037, 70.276

65, 71.037, 70.276

63, 74.844, 67.565

67, 65.063, 72.470

70, 57.474, 74.252

72, 49.121, 75.825

75, 40.535, 77.296

77, 31.996, 78.710

80, 23.642, 80.085

83, 15.528, 81.423

86, 7.670, 82.711

88, 0.063, 78.809

Harmonies

Complementary

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



65, 71.037, 70.276



46, 69.339, 287.860

Rectangle

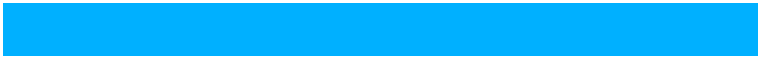
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65, 71.037, 70.276



65, 71.037, 120.276



65, 71.037, 250.276



65, 71.037, 300.276

Sweetspot

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



65, 71.035, 70.279



91, 23.624, 80.475



48, 74.057, 5.992



48, 16.008, 80.010



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 71.035, 70.279



71, 83.167, 67.269



85, 85.471, 107.800



46, 4.347, 82.791



51, 62.835, 68.152



13, 19.965, 69.819

Inverse Universe

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



46, 69.339, 287.860



49, 86.866, 292.180



30, 114.590, 305.930



44, 4.304, 265.345



34, 64.151, 291.188



7, 21.670, 281.937

Previews

White Background



This preview shows how the CIELCh color 65, 71.037, 70.276 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 65, 71.037, 70.276 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 65, 71.037, 70.276

Background



This preview shows how black text looks on a background with the CIELCh color 65, 71.037, 70.276.



This preview shows how white text looks on a background with the CIELCh color 65, 71.037, 70.276.

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

65, 71.037, 70.276

Protanopia

65, 63.843, 95.482

Deuteranopia

65, 68.841, 83.132



Tritanopia
65, 40.340, 16.272

Trichromacy



Original Color
65, 71.037, 70.276

Protanomaly
65, 64.664, 85.760

Deuteranomaly
65, 69.422, 78.365

Tritanomaly
65, 47.236, 47.721

Monochromacy



Original Color
65, 71.037, 70.276

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 27.503, 78.976

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 71.037, 70.276 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(222, 139, 22)` looks like.

```
.text, #text, p{  
    color:rgb(222, 139, 22)  
}
```

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(222, 139, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 139, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 71.037, 70.276 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(222, 139, 22) }
```

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

```
.border{ border-color:rgb(222, 139, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 139, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 139, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 139, 22);  
box-shadow:4px 4px 4px 4px rgb(222, 139,  
22) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 71.037, 70.276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 139, 22) }
```

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

```
.background{ background-color: rgb(222,  
139, 22) }
```

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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