

Converting Colors

CIELCh(71, 61.973, 81.772)

Have a look what the booklet for
CIELCh(71, 61.973, 81.772) contains.

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Color

CIELCh(71, 61.976, 81.375)

Conversions

Conversions Part 1

Format	Color
Hex	DAA537
RGB	218, 165, 55
RGB Percent	85%, 65%, 22%
CMY	0.1443, 0.3522, 0.7836
CMYK	0.00, 0.24, 0.75, 0.14
HSL	40°, 69%, 54%
HSV	40°, 75%, 86%
XYZ	43.1539, 42.1875, 9.5062
YIQ	168.3070, 66.8980, -22.9740

Conversions

Conversions Part 2

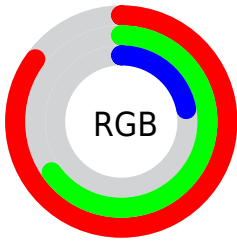
Format	Color
RYB	134, 218, 55
Decimal	14329143
CIELab	71.00, 9.29, 61.28
CIELCh	71, 61.976, 81.375
Yxy	42.1875, 0.4550, 0.4448
Android (android.graphics.Color)	4292519223 (0xFFDAA537)
YUV	168.3070, -55.8604, 43.5808
Hunter-Lab	64.9519, 4.9293, 36.7888

Details

The CIELCh color **71, 61.976, 81.375** 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 **48, 64.790, 288.484**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 58.075, 90.668**, and **51, 58.345, 80.088** is the 20% darker color. If you saturate the color by 10%, you get **69, 68.138, 79.561**, and if you desaturate by 10%, it is **73, 54.414, 82.982**.

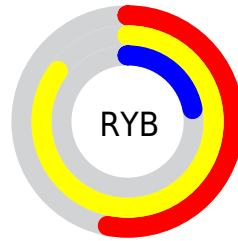
Distribution



Red (85%)

Green (65%)

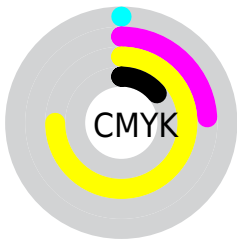
Blue (22%)



Red (53%)

Yellow (85%)

Blue (22%)

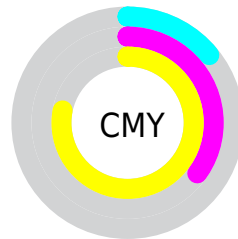


Cyan (0%)

Magenta (24%)

Yellow (75%)

Black (14%)



Cyan (14%)

Magenta (35%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 61.976, 81.375 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 71, 61.976, 81.375 by changing the saturation by 10% instead.

71, 61.976, 81.375

71, 61.976, 81.375

100, 61.976,
81.375

61, 61.976, 81.375

91, 61.976, 81.375

51, 61.976, 81.375

41, 61.976, 81.375

31, 61.976, 81.375

21, 61.976, 81.375

11, 61.976, 81.375

1, 61.976, 81.375

0, 61.976, 81.375

71, 61.976, 81.375

71, 61.976, 81.375

69, 68.138, 79.561

73, 54.414, 82.982

67, 72.057, 77.364

75, 46.139, 84.473

66, 73.394, 76.072

77, 37.578, 85.898

79, 28.969, 87.278

81, 20.437, 88.617

84, 12.042, 89.911

86, 3.809, 91.125

88, 4.258, 272.462

91, 12.163,
273.585

Harmonies

Complementary

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



71, 61.976, 81.375



48, 64.790, 288.484

Rectangle

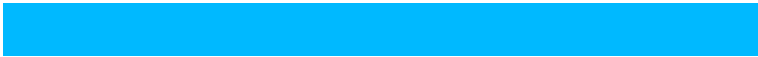
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71, 61.976, 81.375



71, 61.976, 131.375



71, 61.976, 261.375



71, 61.976, 311.375

Sweetspot

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



71, 61.975, 81.378



94, 20.600, 88.947



50, 65.945, 6.925



50, 13.878, 88.588



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 61.975, 81.378



79, 79.684, 78.283



83, 77.324, 112.175



45, 4.640, 90.568



54, 61.854, 76.548



13, 19.604, 79.432

Inverse Universe

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



48, 64.790, 288.484



48, 90.277, 294.250



37, 96.420, 305.221



43, 4.643, 273.027



29, 73.836, 296.877



5, 22.833, 285.766

Previews

White Background



This preview shows how the CIELCh color 71, 61.976, 81.375 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 71, 61.976, 81.375 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 71, 61.976, 81.375

Background



This preview shows how black text looks on a background with the CIELCh color 71, 61.976, 81.375.



This preview shows how white text looks on a background with the CIELCh color 71, 61.976, 81.375.

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


71, 61.976, 81.375

Protanopia

71, 59.634, 95.127

Deuteranopia

71, 61.976, 81.375



Tritanopia
71, 28.943, 9.412

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 61.976, 81.375 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(218, 165, 55)` looks like.

```
.text, #text, p{  
    color:rgb(218, 165, 55)  
}
```

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(218, 165, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 165, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 61.976, 81.375 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(218, 165, 55) }
```

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

```
.border{ border-color:rgb(218, 165, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 165, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 165, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 165, 55);  
box-shadow:4px 4px 4px 4px rgb(218, 165,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 61.976, 81.375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 165, 55) }
```

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

```
.background{ background-color: rgb(218,  
165, 55) }
```

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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