

Converting Colors

CIELCh(71, 55.983, 77.163)

Have a look what the booklet for
CIELCh(71, 55.983, 77.163) contains.

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Color

CIELCh(71, 55.983, 77.163)

Conversions

Conversions Part 1

Format	Color
Hex	DDA347
RGB	221, 163, 71
RGB Percent	87%, 64%, 28%
CMY	0.1320, 0.3596, 0.7204
CMYK	0.00, 0.26, 0.68, 0.13
HSL	37°, 69%, 57%
HSV	37°, 68%, 87%
XYZ	44.2217, 42.1875, 11.8233
YIQ	169.8540, 64.1000, -16.3160

Conversions

Conversions Part 2

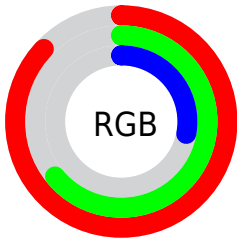
Format	Color
RYB	166, 221, 71
Decimal	14525255
CIELab	71.00, 12.44, 54.58
CIELCh	71, 55.983, 77.163
Yxy	42.1875, 0.4502, 0.4295
Android (android.graphics.Color)	4292715335 (0xFFDDA347)
YUV	169.8540, -48.7350, 44.8550
Hunter-Lab	64.9519, 7.8638, 34.6737

Details

The CIELCh color **71, 55.983, 77.163** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **54, 53.684, 281.559**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 51.117, 88.400**, and **51, 55.921, 76.755** is the 20% darker color. If you saturate the color by 10%, you get **69, 63.610, 75.441**, and if you desaturate by 10%, it is **73, 47.648, 78.722**.

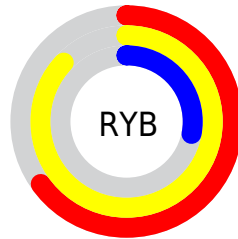
Distribution



Red (87%)

Green (64%)

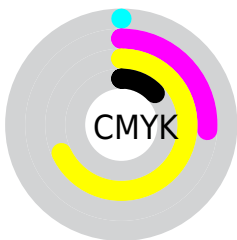
Blue (28%)



Red (65%)

Yellow (87%)

Blue (28%)

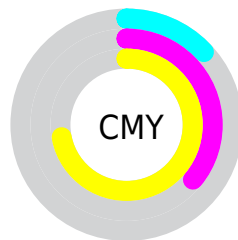


Cyan (0%)

Magenta (26%)

Yellow (68%)

Black (13%)



Cyan (13%)

Magenta (36%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 55.983, 77.163 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, 55.983, 77.163 by changing the saturation by 10% instead.

71, 55.983, 77.163

71, 55.983, 77.163

100, 55.983,
77.163

61, 55.983, 77.163

91, 55.983, 77.163

51, 55.983, 77.163

41, 55.983, 77.163

31, 55.983, 77.163

21, 55.983, 77.163

11, 55.983, 77.163

1, 55.983, 77.163

0, 55.983, 77.163

71, 55.983, 77.163

71, 55.983, 77.163

69, 63.610, 75.441

73, 47.648, 78.722

67, 69.751, 73.387

76, 39.083, 80.190

65, 73.591, 70.787

78, 30.546, 81.604

64, 74.320, 70.197

81, 22.162, 82.978

83, 13.985, 84.310

86, 6.031, 85.581

89, 1.700, 267.064

92, 9.223, 268.127

94, 9.778, 249.781

Harmonies

Complementary

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



71, 55.983, 77.163



54, 53.684, 281.559

Rectangle

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



71, 55.983, 77.163



71, 55.983, 127.163



71, 55.983, 257.163



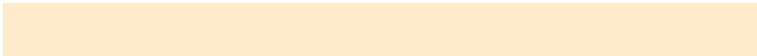
71, 55.983, 307.163

Sweetspot

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



71, 55.983, 77.166



94, 17.697, 83.998



54, 62.731, 359.527



49, 12.123, 83.622



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, 55.983, 77.166



77, 73.675, 74.701



85, 72.403, 109.077



45, 4.374, 85.380



51, 61.894, 70.787



12, 18.896, 72.816

Inverse Universe

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



54, 53.684, 281.559



55, 72.734, 286.659



41, 88.888, 303.049



43, 4.347, 267.912



32, 66.667, 293.135



6, 21.264, 282.590

Previews

White Background



This preview shows how the CIELCh color 71, 55.983, 77.163 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, 55.983, 77.163 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, 55.983, 77.163

Background



This preview shows how black text looks on a background with the CIELCh color 71, 55.983, 77.163.



This preview shows how white text looks on a background with the CIELCh color 71, 55.983, 77.163.

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, 55.983, 77.163

Protanopia

71, 52.379, 95.191

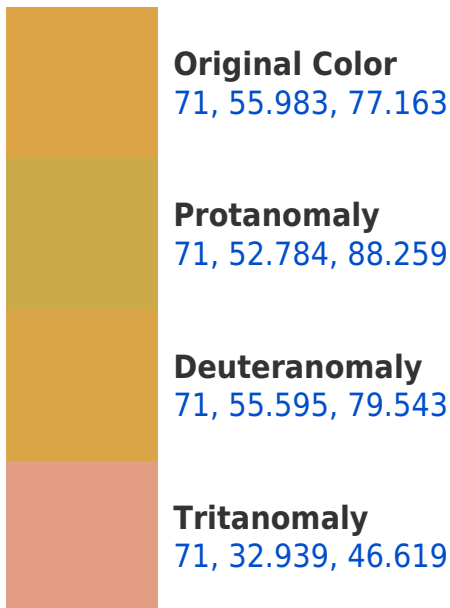
Deuteranopia

71, 55.338, 80.954



Tritanopia
71, 30.147, 10.082

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 55.983, 77.163 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(221, 163, 71)` looks like.

```
.text, #text, p{  
    color:rgb(221, 163, 71)  
}
```

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(221, 163, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 163, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 55.983, 77.163 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(221, 163, 71) }
```

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

```
.border{ border-color:rgb(221, 163, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 163, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 163, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 163, 71);  
box-shadow:4px 4px 4px 4px rgb(221, 163,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 55.983, 77.163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 163, 71) }
```

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

```
.background{ background-color: rgb(221,  
163, 71) }
```

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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