

Converting Colors

CIELCh(71, 46.451, 71.321)

Have a look what the booklet for
CIELCh(71, 46.451, 71.321) contains.

CIELCh(71, 46.589, 71.431)	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(71, 46.589, 71.431)

Conversions

Conversions Part 1

Format	Color
Hex	DEA25D
RGB	222, 162, 93
RGB Percent	87%, 64%, 36%
CMY	0.1292, 0.3645, 0.6351
CMYK	0.00, 0.27, 0.58, 0.13
HSL	32°, 66%, 62%
HSV	32°, 58%, 87%
XYZ	45.0479, 42.1875, 16.1352
YIQ	172.0740, 57.9090, -8.7390

Conversions

Conversions Part 2

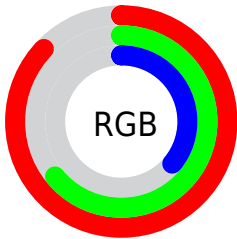
Format	Color
RYB	205, 222, 93
Decimal	14590557
CIELab	71.00, 14.84, 44.16
CIElCh	71, 46.589, 71.431
Yxy	42.1875, 0.4358, 0.4081
Android (android.graphics.Color)	4292780637 (0xFFDEA25D)
YUV	172.0740, -38.9835, 43.7851
Hunter-Lab	64.9519, 10.1342, 30.7376

Details

The CIELCh color **71, 46.589, 71.431** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **62, 40.951, 271.146**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 40.510, 84.390**, and **51, 46.249, 71.249** is the 20% darker color. If you saturate the color by 10%, you get **68, 55.228, 69.967**, and if you desaturate by 10%, it is **74, 37.929, 72.822**.

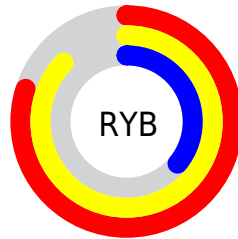
Distribution



Red (87%)

Green (64%)

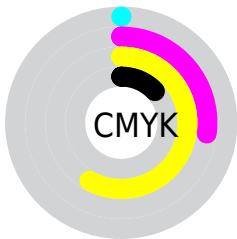
Blue (36%)



Red (80%)

Yellow (87%)

Blue (36%)

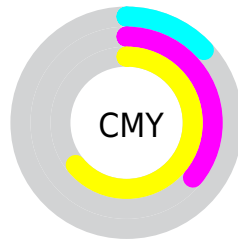


Cyan (0%)

Magenta (27%)

Yellow (58%)

Black (13%)



Cyan (13%)

Magenta (36%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 46.589, 71.431 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, 46.589, 71.431 by changing the saturation by 10% instead.

71, 46.589, 71.431

71, 46.589, 71.431

100, 46.589,
71.431

61, 46.589, 71.431

91, 46.589, 71.431

51, 46.589, 71.431

41, 46.589, 71.431

31, 46.589, 71.431

21, 46.589, 71.431

11, 46.589, 71.431

1, 46.589, 71.431

0, 46.589, 71.431

71, 46.589, 71.431

71, 46.589, 71.431

68, 55.228, 69.967

74, 37.929, 72.822

66, 63.405, 68.316

77, 29.466, 74.171

63, 70.332, 66.276

80, 21.290, 75.494

61, 75.105, 63.577

83, 13.431, 76.789

60, 75.935, 63.063

86, 5.885, 78.032

89, 1.367, 259.609

92, 8.349, 260.590

95, 9.193, 234.388

98, 11.135,
198.763

Harmonies

Complementary

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



71, 46.589, 71.431



62, 40.951, 271.146

Rectangle

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



71, 46.589, 71.431



71, 46.589, 121.431



71, 46.589, 251.431



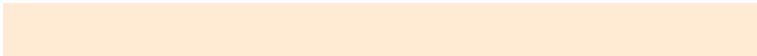
71, 46.589, 301.431

Sweetspot

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



71, 46.589, 71.435



94, 14.086, 76.912



58, 56.816, 352.563



49, 9.462, 76.653



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, 46.589, 71.435



77, 63.604, 69.586



86, 63.818, 106.383



46, 4.174, 77.869



49, 63.665, 63.687



12, 19.706, 64.185

Inverse Universe

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



62, 40.951, 271.146



65, 54.989, 275.495



47, 75.697, 299.929



45, 4.104, 260.414



36, 58.364, 287.145



7, 20.093, 278.050

Previews

White Background



This preview shows how the CIELCh color 71, 46.589, 71.431 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, 46.589, 71.431 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, 46.589, 71.431

Background



This preview shows how black text looks on a background with the CIELCh color 71, 46.589, 71.431.



This preview shows how white text looks on a background with the CIELCh color 71, 46.589, 71.431.

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, 46.589, 71.431

Protanopia

71, 41.684, 95.820

Deuteranopia

71, 45.332, 78.741



Tritanopia
71, 29.682, 10.881

Trichromacy



Original Color
71, 46.589, 71.431

Protanomaly
71, 42.227, 86.717

Deuteranomaly
71, 45.862, 76.577

Tritanomaly
71, 30.724, 40.053

Monochromacy



Original Color
71, 46.589, 71.431

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 16.359, 75.661

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 46.589, 71.431 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, 162, 93)` looks like.

```
.text, #text, p{  
    color:rgb(222, 162, 93)  
}
```

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, 162, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 162, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 46.589, 71.431 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, 162, 93) }
```

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

```
.border{ border-color:rgb(222, 162, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 162, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 162, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 162, 93);  
box-shadow:4px 4px 4px 4px rgb(222, 162,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 46.589, 71.431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 162, 93) }
```

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

```
.background{ background-color: rgb(222,  
162, 93) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor