

Converting Colors

CIELCh(71, 69.880, 86.189)

Have a look what the booklet for
CIELCh(71, 69.880, 86.189) contains.

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Color

CIELCh(71, 69.880, 86.189)

Conversions

Conversions Part 1

Format	Color
Hex	D5A81C
RGB	213, 168, 28
RGB Percent	84%, 66%, 11%
CMY	0.1651, 0.3415, 0.8907
CMYK	0.00, 0.21, 0.87, 0.17
HSL	45°, 77%, 47%
HSV	45°, 87%, 83%
XYZ	41.6064, 42.1875, 7.0405
YIQ	165.4950, 71.7600, -34.0000

Conversions

Conversions Part 2

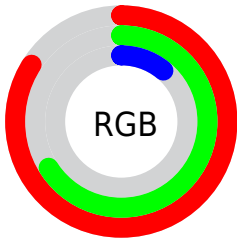
Format	Color
R _Y B	87, 213, 28
Decimal	14002204
CIE Lab	71.00, 4.64, 69.73
CIE LCh	71, 69.880, 86.189
Yxy	42.1875, 0.4580, 0.4644
Android (android.graphics.Color)	4292192284 (0xFFD5A81C)
YUV	165.4950, -67.7850, 41.6619
Hunter-Lab	64.9519, 0.6763, 39.0396

Details

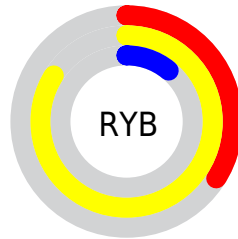
The CIELCh color **71, 69.880, 86.189** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **37, 84.763, 297.262**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 67.498, 92.957**, and **51, 57.476, 84.473** is the 20% darker color. If you saturate the color by 10%, you get **70, 72.659, 84.407**, and if you desaturate by 10%, it is **72, 64.700, 87.751**.

Distribution



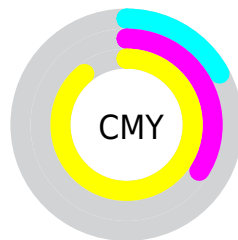
- Red (84%)
- Green (66%)
- Blue (11%)



- Red (34%)
- Yellow (84%)
- Blue (11%)



- Cyan (0%)
- Magenta (21%)
- Yellow (87%)
- Black (17%)



- Cyan (17%)
- Magenta (34%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 69.880, 86.189 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, 69.880, 86.189 by changing the saturation by 10% instead.

71, 69.880, 86.189

71, 69.880, 86.189

100, 69.880,
86.189

61, 69.880, 86.189

91, 69.880, 86.189

51, 69.880, 86.189

41, 69.880, 86.189

31, 69.880, 86.189

21, 69.880, 86.189

11, 69.880, 86.189

1, 69.880, 86.189

0, 69.880, 86.189

71, 69.880, 86.189

71, 69.880, 86.189

70, 72.659, 84.407

72, 64.700, 87.751

69, 73.272, 83.833

74, 57.766, 89.183

75, 49.777, 90.547

77, 41.233, 91.874

79, 32.441, 93.171

80, 23.578, 94.439

82, 14.742, 95.672

84, 5.982, 96.853

86, 2.676, 278.114

Harmonies

Complementary

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



71, 69.880, 86.189



37, 84.763, 297.262

Rectangle

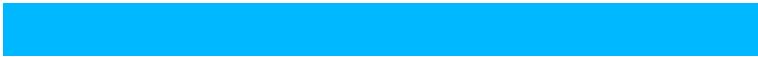
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71, 69.880, 86.189



71, 69.880, 136.189



71, 69.880, 266.189



71, 69.880, 316.189

Sweetspot

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



71, 69.879, 86.192



95, 26.369, 94.519



46, 72.538, 19.088



50, 17.900, 94.079



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, 69.879, 86.192



82, 83.890, 83.603



79, 83.954, 116.487



44, 4.950, 96.563



57, 62.268, 84.167



13, 19.567, 87.559

Inverse Universe

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



37, 84.763, 297.262



39, 113.343, 301.458



32, 106.303, 307.536



42, 4.990, 278.874



25, 81.973, 300.710



4, 23.015, 287.736

Previews

White Background



This preview shows how the CIELCh color 71, 69.880, 86.189 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 CIELCh color 71, 69.880, 86.189 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, 69.880, 86.189

Background



This preview shows how black text looks on a background with the CIELCh color 71, 69.880, 86.189.



This preview shows how white text looks on a background with the CIELCh color 71, 69.880, 86.189.

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, 69.880, 86.189

Protanopia

71, 68.743, 94.979

Deuteranopia

71, 70.162, 82.342



Tritanopia
71, 26.166, 7.680

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 69.880, 86.189 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(213, 168, 28)` looks like.

```
.text, #text, p{  
    color:rgb(213, 168, 28)  
}
```

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(213, 168, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 168, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 69.880, 86.189 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(213, 168, 28) }
```

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

```
.border{ border-color:rgb(213, 168, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 168, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 168, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 168, 28);  
box-shadow:4px 4px 4px 4px rgb(213, 168,  
28) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 69.880, 86.189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 168, 28) }
```

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

```
.background{ background-color: rgb(213,  
168, 28) }
```

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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