# Converting Colors

CIELCh(74, 69.013, 89.481)

# Have a look what the booklet for CIELCh(74, 69.013, 89.481) contains.

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# Color

**CIELCh(74, 69.083, 89.186)**

# Conversions

Conversions Part 1

| Format | Color |
| --- | --- |
| Hex | D8B228 |
| RGB | 216, 178, 40 |
| RGB Percent | 85%, 70%, 16% |
| CMY | 0.1521, 0.3012, 0.8422 |
| CMYK | 0.00, 0.18, 0.81, 0.15 |
| HSL | 47°, 69%, 50% |
| HSV | 47°, 81%, 85% |
| XYZ | 44.7285, 46.7039, 8.6861 |
| YIQ | 173.6300, 66.9460, -34.8620 |

# Conversions

Conversions Part 2

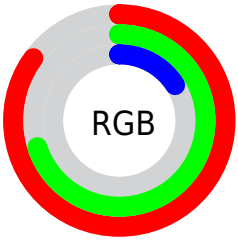
| Format | Color |
| --- | --- |
| RYB | 88, 216, 40 |
| Decimal | 14201384 |
| CIELab | 74.00, 0.98, 69.08 |
| CIELCh | 74, 69.083, 89.186 |
| Yxy | 46.7039, 0.4468, 0.4665 |
| Android (android.graphics.Color) | 4292391464 (0xFFD8B228) |
| YUV | 173.6300, -65.8796, 37.1585 |
| Hunter-Lab | 68.3403, -2.7679, 40.3024 |

# Details

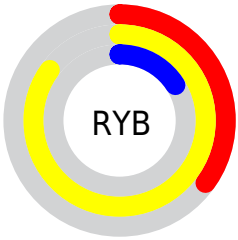
The CIELCh color 74, 69.083, 89.186 is a dark color, and the websafe version is hex CC9900. The color can be described as middle washed orange. A complement of this color would be 39, 82.941, 296.835, and the grayscale version is 71, 0.009, 296.813.

A 20% lighter version of the original color is 92, 66.916, 96.821, and 54, 59.610, 88.304 is the 20% darker color. If you saturate the color by 10%, you get 73, 73.145, 87.689, and if you desaturate by 10%, it is 75, 62.851, 90.567.

# Distribution

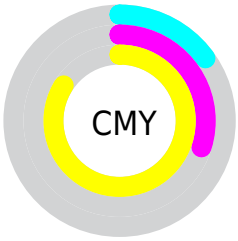



- Red (85%)
- Green (70%)
- Blue (16%)




- Red (35%)
- Yellow (85%)
- Blue (16%)

- Cyan (0%)
- Magenta (18%)
- Yellow (81%)
- Black (15%)




- Cyan (15%)
- Magenta (30%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 69.083, 89.186 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 74, 69.083, 89.186 by changing the saturation by 10% instead.

74, 69.083, 89.186

100, 69.083, 89.186

94, 69.083, 89.186

74, 69.083, 89.186

64, 69.083, 89.186

54, 69.083, 89.186

44, 69.083, 89.186

34, 69.083, 89.186

24, 69.083, 89.186

14, 69.083, 89.186

4, 69.083, 89.186

0, 69.083, 89.186

74, 69.083, 89.186

74, 69.083, 89.186

73, 73.145, 87.689

72, 74.862, 86.268

75, 62.851, 90.567

77, 55.179, 91.886

78, 46.672, 93.176

80, 37.734, 94.444

81, 28.611, 95.692

83, 19.442, 96.912

84, 10.305, 98.095

86, 1.240, 99.124

88, 7.731, 280.400

# Harmonies

# Complementary

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

74, 69.083, 89.186

39, 82.941, 296.835

# Rectangle

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

74, 69.083, 89.186

74, 69.083, 139.186

74, 69.083, 269.186

74, 69.083, 319.186

# Sweetspot

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

74, 69.082, 89.189

95, 24.967, 96.569

48, 70.965, 19.254

50, 17.169, 96.130

0, 0.000, 0.000

53, 0.007, 296.813

# Same Dimension

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

74, 69.082, 89.189

83, 84.410, 86.431

80, 82.812, 117.828

44, 5.091, 98.322

58, 62.897, 86.575

14, 20.076, 89.949

# Inverse Universe

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

39, 82.941, 296.835

39, 114.856, 301.935

35, 102.043, 307.836

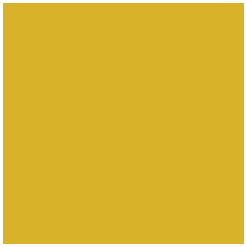
42, 5.144, 280.582

24, 84.716, 301.736

3, 23.509, 288.561

# Previews

## White Background

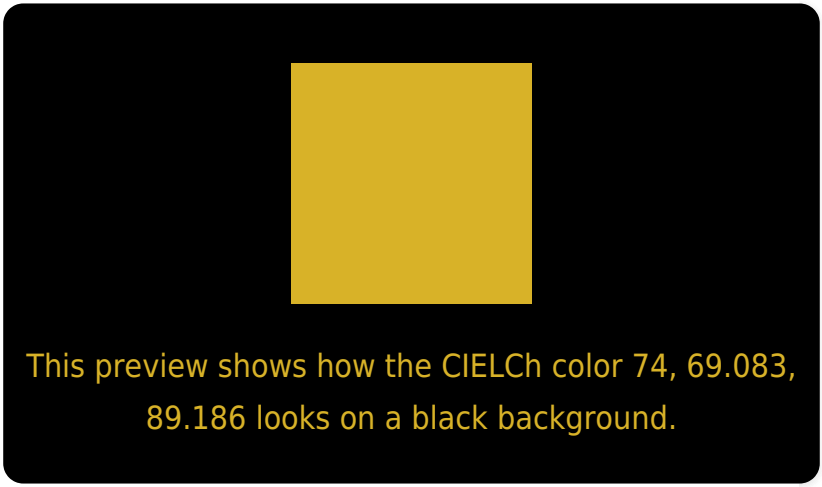


This preview shows how the CIELCh color 74, 69.083, 89.186 looks on a white background.

### 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




### 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 74, 69.083, 89.186

## Background

This preview shows how black text looks on a background with the CIELCh color 74, 69.083, 89.186.

This preview shows how white text looks on a background with the CIELCh color 74, 69.083, 89.186.

# 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**
74, 69.083, 89.186

**Protanopia**
74, 68.907, 95.322

**Deuteranopia**
74, 69.385, 82.259

**Tritanopia**
74, 23.701, 4.552

## Trichromacy

**Original Color**
74, 69.083, 89.186

**Protanomaly**
74, 68.711, 93.011

**Deuteranomaly**
74, 69.104, 84.937

**Tritanomaly**
73, 31.672, 64.063

## Monochromacy

**Original Color**
74, 69.083, 89.186

**Achromatopsia**
71, 0.009, 296.813

**Achromatomaly**
72, 28.012, 96.260

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 74, 69.083, 89.186 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(216, 178, 40) looks like.

```
.text, #text, p{
    color:rgb(216, 178, 40)
}
```

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(216, 178, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 178, 40) }
```

## Border

The CSS property to change the border of an element to CIELCh 74, 69.083, 89.186 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(216, 178, 40) }
```

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

```
.border{ border-color:rgb(216, 178, 40) }
```

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

Here you see how a box with a 4 pixel rgb(216, 178, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 178, 40); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 178, 40); box-shadow:4px 4px 4px 4px rgb(216, 178, 40) }
```

# Background

The CSS property to change the background color of an element to CIELCh 74, 69.083, 89.186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:rgb(216, 178, 40) }
```

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

```
.background{ background-color:rgb(216, 178, 40) }
```

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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