

Converting Colors

CIELCh(74, 71.502, 86.439)

Have a look what the booklet for
CIELCh(74, 71.502, 86.439) contains.

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Color

CIELCh(74, 71.423, 86.424)

Conversions

Conversions Part 1

Format	Color
Hex	DEB021
RGB	222, 176, 33
RGB Percent	87%, 69%, 13%
CMY	0.1293, 0.3097, 0.8704
CMYK	0.00, 0.21, 0.85, 0.13
HSL	45°, 74%, 50%
HSV	45°, 85%, 87%
XYZ	45.9376, 46.7039, 8.0348
YIQ	173.4520, 73.3190, -34.7210

Conversions

Conversions Part 2

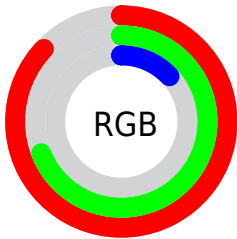
Format	Color
RYB	94, 222, 33
Decimal	14594081
CIELab	74.00, 4.45, 71.28
CIELCh	74, 71.423, 86.424
Yxy	46.7039, 0.4563, 0.4639
Android (android.graphics.Color)	4292784161 (0xFFDEB021)
YUV	173.4520, -69.2428, 42.5766
Hunter-Lab	68.3403, 0.3903, 40.8674

Details

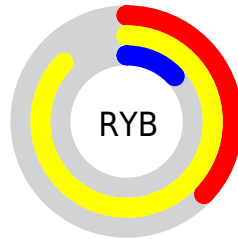
The CIELCh color **74, 71.423, 86.424** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **40, 85.729, 296.747**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 67.914, 96.084**, and **54, 60.070, 85.020** is the 20% darker color. If you saturate the color by 10%, you get **73, 74.681, 84.673**, and if you desaturate by 10%, it is **75, 65.722, 87.965**.

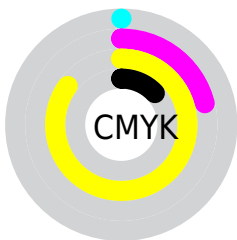
Distribution



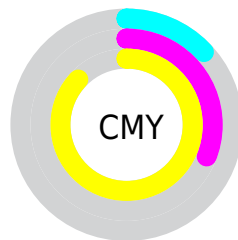
- Red (87%)
- Green (69%)
- Blue (13%)



- Red (37%)
- Yellow (87%)
- Blue (13%)



- Cyan (0%)
- Magenta (21%)
- Yellow (85%)
- Black (13%)



- Cyan (13%)
- Magenta (31%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 71.423, 86.424 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, 71.423, 86.424 by changing the saturation by 10% instead.

 74, 71.423, 86.424

 74, 71.423, 86.424

 100, 71.423,
86.424

 64, 71.423, 86.424

 94, 71.423, 86.424

 54, 71.423, 86.424

 44, 71.423, 86.424

 34, 71.423, 86.424

 24, 71.423, 86.424

 14, 71.423, 86.424

 4, 71.423, 86.424

 0, 71.423, 86.424

 74, 71.423, 86.424

 74, 71.423, 86.424

73, 74.681, 84.673

75, 65.722, 87.965

72, 75.598, 83.751

77, 58.328, 89.387

79, 49.939, 90.748

80, 41.039, 92.073

82, 31.922, 93.370

84, 22.752, 94.636

86, 13.622, 95.865

87, 4.578, 97.032

89, 4.357, 278.273

Harmonies

Complementary

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



74, 71.423, 86.424



40, 85.729, 296.747

Rectangle

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



74, 71.423, 86.424



74, 71.423, 136.424



74, 71.423, 266.424



74, 71.423, 316.424

Sweetspot

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



74, 71.422, 86.427



95, 26.362, 94.500



49, 73.972, 18.318



50, 17.895, 94.061



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, 71.422, 86.427



81, 83.882, 83.578



83, 85.906, 116.411



46, 5.141, 96.539



58, 63.621, 84.094



15, 22.260, 87.144

Inverse Universe

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



40, 85.729, 296.747



39, 113.305, 301.448



34, 108.309, 307.469



44, 5.184, 278.863



26, 83.926, 300.766



4, 26.347, 290.028

Previews

White Background



This preview shows how the CIELCh color 74, 71.423, 86.424 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 74, 71.423, 86.424 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 74, 71.423, 86.424

Background



This preview shows how black text looks on a background with the CIELCh color 74, 71.423, 86.424.



This preview shows how white text looks on a background with the CIELCh color 74, 71.423, 86.424.

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, 71.423, 86.424

Protanopia

74, 70.562, 95.347

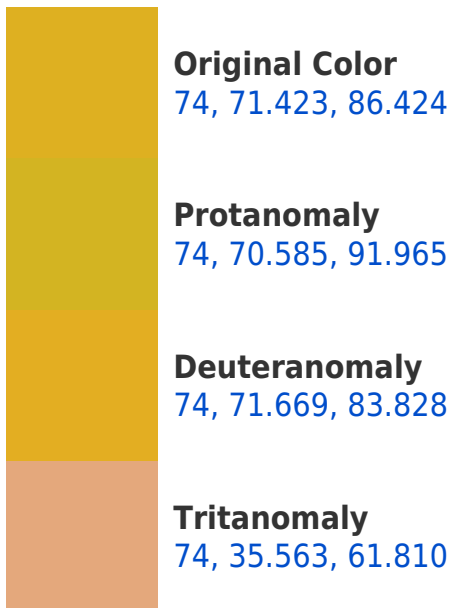
Deuteranopia

74, 71.817, 82.353



Tritanopia
74, 26.701, 8.050

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 71.423, 86.424 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, 176, 33)` looks like.

```
.text, #text, p{  
    color:rgb(222, 176, 33)  
}
```

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, 176, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 176, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 71.423, 86.424 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, 176, 33) }
```

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

```
.border{ border-color:rgb(222, 176, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 176, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 176, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 176, 33);  
box-shadow:4px 4px 4px 4px rgb(222, 176,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 71.423, 86.424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 176, 33) }
```

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

```
.background{ background-color: rgb(222,  
176, 33) }
```

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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