

Converting Colors

CIELCh(72, 71.446, 82.321)

Have a look what the booklet for
CIELCh(72, 71.446, 82.321) contains.

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Color

CIELCh(72, 71.405, 81.948)

Conversions

Conversions Part 1

Format	Color
Hex	E0A71D
RGB	224, 167, 29
RGB Percent	88%, 65%, 11%
CMY	0.1209, 0.3445, 0.8854
CMYK	0.00, 0.25, 0.87, 0.12
HSL	42°, 77%, 50%
HSV	42°, 87%, 88%
XYZ	44.8665, 43.6590, 7.2393
YIQ	168.3110, 78.2700, -30.8340

Conversions

Conversions Part 2

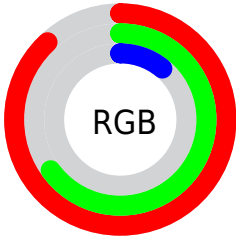
Format	Color
RYB	110, 224, 29
Decimal	14722845
CIELab	72.00, 10.00, 70.70
CIELCh	72, 71.405, 81.948
Yxy	43.6590, 0.4685, 0.4559
Android (android.graphics.Color)	4292912925 (0xFFE0A71D)
YUV	168.3110, -68.6803, 48.8393
Hunter-Lab	66.0750, 5.5746, 39.7566

Details

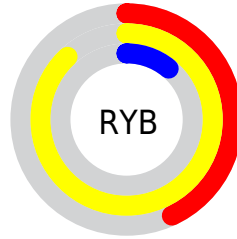
The CIELCh color **72, 71.405, 81.948** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **42, 82.344, 294.825**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 66.802, 92.506**, and **52, 59.575, 79.144** is the 20% darker color. If you saturate the color by 10%, you get **70, 74.519, 79.824**, and if you desaturate by 10%, it is **74, 65.803, 83.731**.

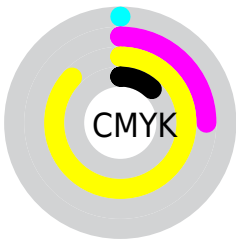
Distribution



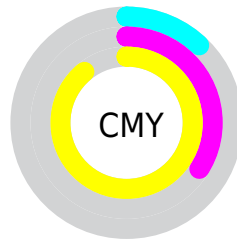
- Red (88%)
- Green (65%)
- Blue (11%)



- Red (43%)
- Yellow (88%)
- Blue (11%)



- Cyan (0%)
- Magenta (25%)
- Yellow (87%)
- Black (12%)



- Cyan (12%)
- Magenta (34%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 71.405, 81.948 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 72, 71.405, 81.948 by changing the saturation by 10% instead.

72, 71.405, 81.948

72, 71.405, 81.948

100, 71.405,
81.948

62, 71.405, 81.948

92, 71.405, 81.948

52, 71.405, 81.948

42, 71.405, 81.948

32, 71.405, 81.948

22, 71.405, 81.948

12, 71.405, 81.948

2, 71.405, 81.948

0, 71.405, 81.948

72, 71.405, 81.948

72, 71.405, 81.948

70, 74.519, 79.824

74, 65.803, 83.731

70, 75.203, 79.143

76, 58.470, 85.307

77, 50.162, 86.774

79, 41.392, 88.179

81, 32.459, 89.542

83, 23.528, 90.867

86, 14.685, 92.150

88, 5.971, 93.375

90, 2.599, 274.705

Harmonies

Complementary

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



72, 71.405, 81.948



42, 82.344, 294.825

Rectangle

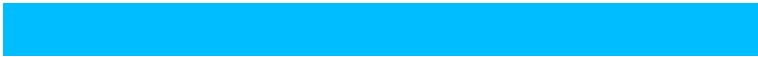
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 71.405, 81.948



72, 71.405, 131.948



72, 71.405, 261.948



72, 71.405, 311.948

Sweetspot

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



72, 71.404, 81.951



94, 25.175, 90.968



49, 74.418, 14.956



49, 17.108, 90.511



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 71.404, 81.951



79, 82.862, 78.944



84, 86.473, 114.006



46, 4.887, 93.079



56, 62.807, 79.583



14, 21.405, 82.620

Inverse Universe

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



42, 82.344, 294.825



42, 106.171, 299.378



33, 111.505, 306.862



44, 4.906, 275.492



28, 78.506, 298.601



5, 25.150, 288.312

Previews

White Background



This preview shows how the CIELCh color 72, 71.405, 81.948 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 72, 71.405, 81.948 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 72, 71.405, 81.948

Background



This preview shows how black text looks on a background with the CIELCh color 72, 71.405, 81.948.



This preview shows how white text looks on a background with the CIELCh color 72, 71.405, 81.948.

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

72, 71.405, 81.948

Protanopia

72, 69.272, 95.103

Deuteranopia

72, 71.342, 82.724



Tritanopia
72, 30.399, 11.232

Trichromacy



Original Color
72, 71.405, 81.948

Protanomaly
72, 69.431, 90.109

Deuteranomaly
72, 71.342, 82.724

Tritanomaly
72, 38.685, 57.481

Monochromacy



Original Color
72, 71.405, 81.948

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 28.502, 90.075

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 71.405, 81.948 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(224, 167, 29)` looks like.

```
.text, #text, p{  
    color:rgb(224, 167, 29)  
}
```

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(224, 167, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 167, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 71.405, 81.948 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(224, 167, 29) }
```

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

```
.border{ border-color:rgb(224, 167, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 167, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 167, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 167, 29);  
box-shadow:4px 4px 4px 4px rgb(224, 167,  
29) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 71.405, 81.948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 167, 29) }
```

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

```
.background{ background-color: rgb(224,  
167, 29) }
```

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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