

Converting Colors

CIELCh(72, 68.914, 81.238)

Have a look what the booklet for
CIELCh(72, 68.914, 81.238) contains.

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Color

CIELCh(72, 68.787, 81.428)

Conversions

Conversions Part 1

Format	Color
Hex	E0A727
RGB	224, 167, 39
RGB Percent	88%, 65%, 15%
CMY	0.1213, 0.3449, 0.8468
CMYK	0.00, 0.25, 0.83, 0.12
HSL	42°, 75%, 52%
HSV	42°, 83%, 88%
XYZ	44.9534, 43.6590, 7.9824
YIQ	169.4510, 75.0600, -27.7240

Conversions

Conversions Part 2

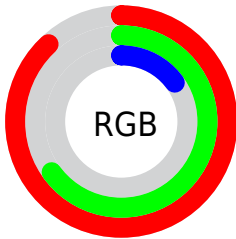
Format	Color
RYB	121, 224, 39
Decimal	14722855
CIELab	72.00, 10.25, 68.02
CIElCh	72, 68.787, 81.428
Yxy	43.6590, 0.4654, 0.4520
Android (android.graphics.Color)	4292912935 (0xFFE0A727)
YUV	169.4510, -64.3123, 47.8395
Hunter-Lab	66.0750, 5.8092, 39.0898

Details

The CIELCh color **72, 68.787, 81.428** 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 **45, 75.889, 292.376**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 63.889, 92.242**, and **52, 59.575, 79.144** is the 20% darker color. If you saturate the color by 10%, you get **70, 73.170, 79.398**, and if you desaturate by 10%, it is **74, 62.235, 83.152**.

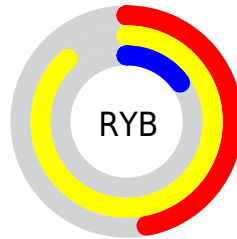
Distribution



Red (88%)

Green (65%)

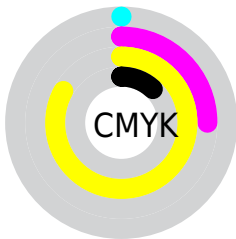
Blue (15%)



Red (47%)

Yellow (88%)

Blue (15%)

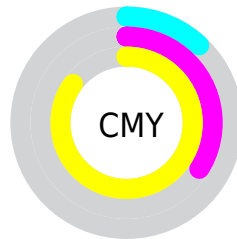


Cyan (0%)

Magenta (25%)

Yellow (83%)

Black (12%)



Cyan (12%)

Magenta (34%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 68.787, 81.428 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, 68.787, 81.428 by changing the saturation by 10% instead.

72, 68.787, 81.428

72, 68.787, 81.428

100, 68.787,
81.428

62, 68.787, 81.428

92, 68.787, 81.428

52, 68.787, 81.428

42, 68.787, 81.428

32, 68.787, 81.428

22, 68.787, 81.428

12, 68.787, 81.428

2, 68.787, 81.428

0, 68.787, 81.428

72, 68.787, 81.428

72, 68.787, 81.428

70, 73.170, 79.398

74, 62.235, 83.152

69, 74.995, 77.656

76, 54.360, 84.701

78, 45.813, 86.159

80, 36.995, 87.561

82, 28.129, 88.921

84, 19.333, 90.241

86, 10.665, 91.515

89, 2.149, 92.664

91, 6.210, 274.009

Harmonies

Complementary

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



72, 68.787, 81.428



45, 75.889, 292.376

Rectangle

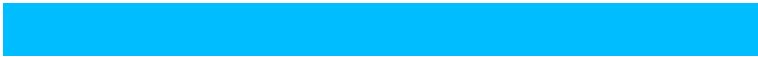
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 68.787, 81.428



72, 68.787, 131.428



72, 68.787, 261.428



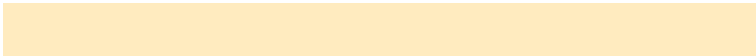
72, 68.787, 311.428

Sweetspot

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



72, 68.786, 81.431



94, 23.843, 89.900



50, 71.952, 11.480



49, 16.315, 89.434



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, 68.786, 81.431



78, 82.446, 77.686



84, 84.052, 113.028



46, 4.810, 91.899



55, 62.646, 78.121



14, 21.163, 81.095

Inverse Universe

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



45, 75.889, 292.376



43, 102.701, 298.315



35, 107.437, 306.325



44, 4.822, 274.338



29, 76.711, 297.821



5, 24.743, 287.682

Previews

White Background



This preview shows how the CIELCh color 72, 68.787, 81.428 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 72, 68.787, 81.428 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, 68.787, 81.428

Background



This preview shows how black text looks on a background with the CIELCh color 72, 68.787, 81.428.



This preview shows how white text looks on a background with the CIELCh color 72, 68.787, 81.428.

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, 68.787, 81.428

Protanopia

72, 66.468, 95.049

Deuteranopia

72, 68.726, 82.233



Tritanopia
72, 30.435, 10.226

Trichromacy



Original Color
72, 68.787, 81.428

Protanomaly
72, 66.668, 89.865

Deuteranomaly
72, 68.726, 82.233

Tritanomaly
72, 37.183, 55.280

Monochromacy



Original Color
72, 68.787, 81.428

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 27.076, 88.483

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 68.787, 81.428 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, 39)` looks like.

```
.text, #text, p{  
    color:rgb(224, 167, 39)  
}
```

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, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 167, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 68.787, 81.428 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, 39) }
```

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

```
.border{ border-color:rgb(224, 167, 39) }
```

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, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 167, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 167, 39);  
box-shadow:4px 4px 4px 4px rgb(224, 167,  
39) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 68.787, 81.428 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, 39) }
```

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

```
.background{ background-color: rgb(224,  
167, 39) }
```

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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