

Converting Colors

CIELCh(72, 75.399, 83.163)

Have a look what the booklet for
CIELCh(72, 75.399, 83.163) contains.

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Color

CIELCh(72, 75.418, 83.394)

Conversions

Conversions Part 1

Format	Color
Hex	DFA803
RGB	223, 168, 3
RGB Percent	87%, 66%, 1%
CMY	0.1258, 0.3414, 0.9889
CMYK	0.00, 0.25, 0.99, 0.13
HSL	45°, 98%, 44%
HSV	45°, 99%, 87%
XYZ	44.4097, 43.6590, 6.1669
YIQ	165.6350, 85.7450, -39.6550

Conversions

Conversions Part 2

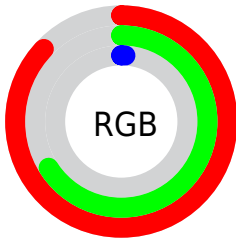
Format	Color
RYB	76, 223, 3
Decimal	14657539
CIELab	72.00, 8.68, 74.92
CIELCh	72, 75.418, 83.394
Yxy	43.6590, 0.4713, 0.4633
Android (android.graphics.Color)	4292847619 (0xFFDFA803)
YUV	165.6350, -80.1791, 50.3091
Hunter-Lab	66.0750, 4.3407, 40.7188

Details

The CIELCh color **72, 75.418, 83.394** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **35, 99.587, 300.641**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 71.416, 93.222**, and **52, 59.214, 80.542** is the 20% darker color. If you saturate the color by 10%, you get **72, 75.669, 83.154**, and if you desaturate by 10%, it is **73, 72.945, 85.280**.

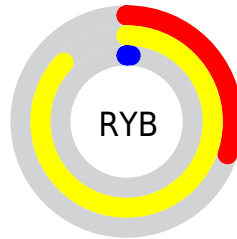
Distribution



Red (87%)

Green (66%)

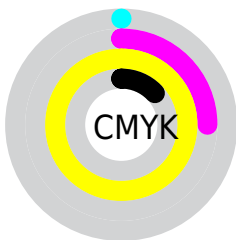
Blue (1%)



Red (30%)

Yellow (87%)

Blue (1%)

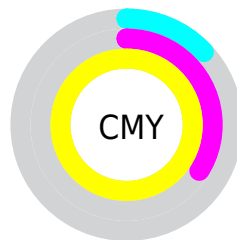


Cyan (0%)

Magenta (25%)

Yellow (99%)

Black (13%)



Cyan (13%)

Magenta (34%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 75.418, 83.394 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, 75.418, 83.394 by changing the saturation by 10% instead.

 72, 75.418, 83.394

 72, 75.418, 83.394

 100, 75.418,
83.394

 62, 75.418, 83.394

 92, 75.418, 83.394

 52, 75.418, 83.394

 42, 75.418, 83.394

 32, 75.418, 83.394

 22, 75.418, 83.394

 12, 75.418, 83.394

 2, 75.418, 83.394

 0, 75.418, 83.394

 72, 75.418, 83.394

 72, 75.418, 83.394

72, 75.669, 83.154

73, 72.945, 85.280

75, 68.009, 86.916

76, 61.099, 88.393

78, 52.977, 89.787

80, 44.209, 91.135

82, 35.147, 92.451

83, 25.994, 93.736

85, 16.862, 94.987

87, 7.809, 96.190

Harmonies

Complementary

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



72, 75.418, 83.394



35, 99.587, 300.641

Rectangle

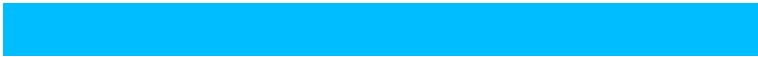
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 75.418, 83.394



72, 75.418, 133.394



72, 75.418, 263.394



72, 75.418, 313.394

Sweetspot

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



72, 75.417, 83.397



94, 30.285, 93.547



47, 81.178, 25.565



49, 20.692, 93.003



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, 75.417, 83.397



81, 83.713, 82.980



82, 90.770, 117.419



46, 5.107, 96.107



58, 63.488, 83.513



15, 22.140, 86.575

Inverse Universe

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



35, 99.587, 300.641



39, 112.408, 301.201



30, 117.765, 307.636



44, 5.146, 278.442



27, 83.239, 300.506



4, 26.197, 289.824

Previews

White Background



This preview shows how the CIELCh color 72, 75.418, 83.394 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, 75.418, 83.394 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, 75.418, 83.394

Background



This preview shows how black text looks on a background with the CIELCh color 72, 75.418, 83.394.



This preview shows how white text looks on a background with the CIELCh color 72, 75.418, 83.394.

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, 75.418, 83.394

Protanopia

72, 73.036, 95.145

Deuteranopia

72, 75.364, 83.040



Tritanopia
72, 30.045, 10.020

Trichromacy



Original Color
72, 75.418, 83.394

Protanomaly
72, 73.526, 90.808

Deuteranomaly
72, 75.479, 83.058

Tritanomaly
71, 41.906, 62.139

Monochromacy



Original Color
72, 75.418, 83.394

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 33.660, 91.971

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 75.418, 83.394 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(223, 168, 3)` looks like.

```
.text, #text, p{  
    color:rgb(223, 168, 3)  
}
```

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(223, 168, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 168, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 75.418, 83.394 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(223, 168, 3) }
```

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

```
.border{ border-color:rgb(223, 168, 3) }
```

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

Here you see how a box with a 4 pixel rgb(223, 168, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 168, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 168, 3);  
box-shadow:4px 4px 4px 4px rgb(223, 168,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 75.418, 83.394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 168, 3) }
```

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

```
.background{ background-color: rgb(223,  
168, 3) }
```

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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