

Converting Colors

CIELCh(74, 80.841, 74.174)

Have a look what the booklet for
CIELCh(74, 80.841, 74.174) contains.

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Color

CIELCh(74, 80.802, 74.233)

Conversions

Conversions Part 1

Format	Color
Hex	F9A402
RGB	249, 164, 2
RGB Percent	98%, 64%, 1%
CMY	0.0235, 0.3568, 0.9919
CMYK	0.00, 0.34, 0.99, 0.02
HSL	39°, 98%, 49%
HSV	39°, 99%, 98%
XYZ	52.3626, 46.7039, 6.3135
YIQ	170.9470, 102.6620, -32.3620

Conversions

Conversions Part 2

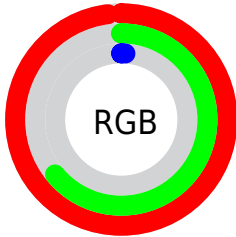
Format	Color
RYB	132, 249, 2
Decimal	16360450
CIELab	74.00, 21.96, 77.76
CIELCh	74, 80.802, 74.233
Yxy	46.7039, 0.4969, 0.4432
Android (android.graphics.Color)	4294550530 (0xFFFF9A402)
YUV	170.9470, -83.2909, 68.4525
Hunter-Lab	68.3403, 17.1718, 42.3608

Details

The CIELCh color **74, 80.802, 74.233** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **44, 95.425, 296.397**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 69.936, 91.594**, and **54, 65.309, 69.575** is the 20% darker color. If you saturate the color by 10%, you get **74, 81.023, 74.020**, and if you desaturate by 10%, it is **76, 77.600, 76.787**.

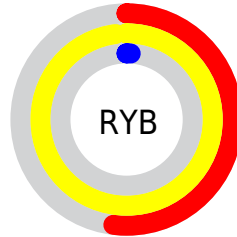
Distribution



Red (98%)

Green (64%)

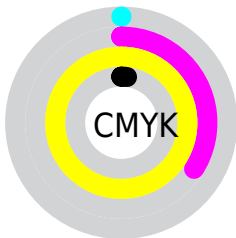
Blue (1%)



Red (52%)

Yellow (98%)

Blue (1%)

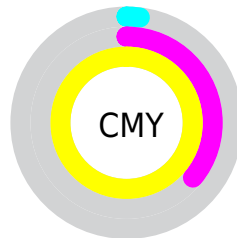


Cyan (0%)

Magenta (34%)

Yellow (99%)

Black (2%)



Cyan (2%)

Magenta (36%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 80.802, 74.233 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, 80.802, 74.233 by changing the saturation by 10% instead.

 74, 80.802, 74.233

 74, 80.802, 74.233

 100, 80.802,
74.233

 64, 80.802, 74.233

 94, 80.802, 74.233

 54, 80.802, 74.233

 44, 80.802, 74.233

 34, 80.802, 74.233

 24, 80.802, 74.233

 14, 80.802, 74.233

 4, 80.802, 74.233

 0, 80.802, 74.233

 74, 80.802, 74.233

 74, 80.802, 74.233

74, 81.023, 74.020

76, 77.600, 76.787

78, 71.728, 78.851

80, 63.866, 80.592

83, 54.926, 82.163

85, 45.521, 83.642

88, 36.002, 85.065

90, 26.551, 86.445

93, 17.257, 87.781

95, 8.158, 89.062

Harmonies

Complementary

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



74, 80.802, 74.233



44, 95.425, 296.397

Rectangle

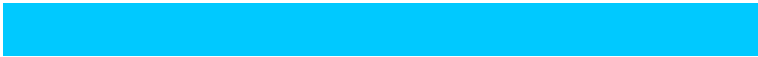
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74, 80.802, 74.233



74, 80.802, 124.233



74, 80.802, 254.233



74, 80.802, 304.233

Sweetspot

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



74, 80.800, 74.236



92, 27.858, 86.327



53, 84.451, 17.167



48, 19.088, 85.749



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, 80.800, 74.236



75, 82.494, 73.979



92, 96.524, 112.004



51, 5.071, 89.022



57, 65.788, 74.574



18, 26.806, 77.344

Inverse Universe

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



44, 95.425, 296.397



44, 98.154, 296.721



33, 129.968, 306.770



49, 5.064, 271.543



33, 76.779, 296.041



8, 30.074, 290.514

Previews

White Background



This preview shows how the CIELCh color 74, 80.802, 74.233 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, 80.802, 74.233 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, 80.802, 74.233

Background



This preview shows how black text looks on a background with the CIELCh color 74, 80.802, 74.233.



This preview shows how white text looks on a background with the CIELCh color 74, 80.802, 74.233.

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, 80.802, 74.233

Protanopia

74, 74.316, 95.034

Deuteranopia

74, 77.685, 82.987



Tritanopia
74, 40.781, 15.290

Trichromacy



Original Color
74, 80.802, 74.233

Protanomaly
74, 75.307, 86.885

Deuteranomaly
74, 78.649, 79.669

Tritanomaly
74, 52.142, 53.619

Monochromacy



Original Color
74, 80.802, 74.233

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 34.298, 84.015

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 80.802, 74.233 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(249, 164, 2)` looks like.

```
.text, #text, p{  
    color:rgb(249, 164, 2)  
}
```

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(249, 164, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 164, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 80.802, 74.233 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(249, 164, 2) }
```

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

```
.border{ border-color:rgb(249, 164, 2) }
```

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

Here you see how a box with a 4 pixel rgb(249, 164, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 164, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 164, 2);  
box-shadow:4px 4px 4px 4px rgb(249, 164,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 80.802, 74.233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 164, 2) }
```

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

```
.background{ background-color: rgb(249,  
164, 2) }
```

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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