

Converting Colors

CIELCh(75, 81.305, 76.072)

Have a look what the booklet for
CIELCh(75, 81.305, 76.072) contains.

CIELCh(75, 81.069, 75.832)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(75, 81.069, 75.832)

Conversions

Conversions Part 1

Format	Color
Hex	F9A801
RGB	249, 168, 1
RGB Percent	98%, 66%, 0%
CMY	0.0225, 0.3403, 0.9975
CMYK	0.00, 0.33, 1.00, 0.02
HSL	40°, 99%, 49%
HSV	40°, 100%, 98%
XYZ	53.2092, 48.2781, 6.5320
YIQ	173.1810, 101.8830, -34.7650

Conversions

Conversions Part 2

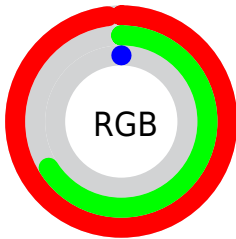
Format	Color
RYB	121, 249, 1
Decimal	16361473
CIELab	75.00, 19.84, 78.60
CIELCh	75, 81.069, 75.832
Yxy	48.2781, 0.4926, 0.4469
Android (android.graphics.Color)	4294551553 (0xFFFF9A801)
YUV	173.1810, -84.8852, 66.4933
Hunter-Lab	69.4824, 15.0998, 43.0639

Details

The CIELCh color **75, 81.069, 75.832** 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 **43, 98.903, 297.592**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 71.037, 93.198**, and **55, 65.149, 71.578** is the 20% darker color. If you saturate the color by 10%, you get **75, 81.131, 75.770**, and if you desaturate by 10%, it is **77, 78.161, 78.303**.

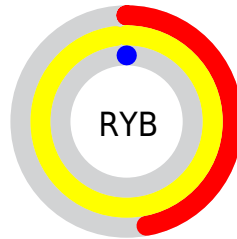
Distribution



Red (98%)

Green (66%)

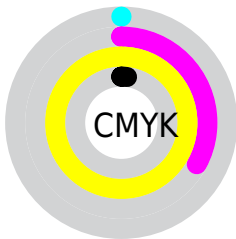
Blue (0%)



Red (47%)

Yellow (98%)

Blue (0%)

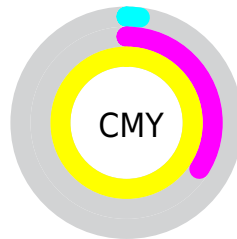


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (2%)



Cyan (2%)

Magenta (34%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 81.069, 75.832 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 75, 81.069, 75.832 by changing the saturation by 10% instead.

 75, 81.069, 75.832

 75, 81.069, 75.832

 100, 81.069,
75.832

 65, 81.069, 75.832

 95, 81.069, 75.832

 55, 81.069, 75.832

 45, 81.069, 75.832

 35, 81.069, 75.832

 25, 81.069, 75.832

 15, 81.069, 75.832

 5, 81.069, 75.832

 0, 81.069, 75.832

 75, 81.069, 75.832

 75, 81.069, 75.832

75, 81.131, 75.770

77, 78.161, 78.303

79, 72.601, 80.329

81, 64.935, 82.050

83, 56.078, 83.607

86, 46.671, 85.076

88, 37.087, 86.490

90, 27.529, 87.862

93, 18.096, 89.191

95, 8.835, 90.467

Harmonies

Complementary

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



75, 81.069, 75.832



43, 98.903, 297.592

Rectangle

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



75, 81.069, 75.832



75, 81.069, 125.832



75, 81.069, 255.832



75, 81.069, 305.832

Sweetspot

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



75, 81.067, 75.835



92, 28.290, 87.822



53, 85.280, 19.058



48, 19.372, 87.248



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 81.067, 75.835



77, 82.540, 75.733



92, 97.042, 113.004



51, 5.163, 90.497



58, 65.847, 76.297



18, 27.049, 79.083

Inverse Universe

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



43, 98.903, 297.592



43, 101.022, 297.718



33, 130.134, 306.889



49, 5.166, 272.992



32, 79.040, 297.063



8, 30.942, 291.655

Previews

White Background



This preview shows how the CIELCh color 75, 81.069, 75.832 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 75, 81.069, 75.832 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 75, 81.069, 75.832

Background



This preview shows how black text looks on a background with the CIELCh color 75, 81.069, 75.832.



This preview shows how white text looks on a background with the CIELCh color 75, 81.069, 75.832.

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

75, 80.962, 75.807

Protanopia

75, 75.408, 95.155

Deuteranopia

75, 78.415, 82.872



Tritanopia
75, 39.026, 14.676

Trichromacy



Original Color
75, 80.962, 75.807

Protanomaly
75, 76.447, 87.870

Deuteranomaly
75, 79.364, 80.299

Tritanomaly
74, 51.086, 55.423

Monochromacy



Original Color
75, 80.962, 75.807

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 35.489, 85.488

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 81.069, 75.832 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, 168, 1)` looks like.

```
.text, #text, p{  
    color:rgb(249, 168, 1)  
}
```

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, 168, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 168, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 81.069, 75.832 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, 168, 1) }
```

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

```
.border{ border-color:rgb(249, 168, 1) }
```

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

Here you see how a box with a 4 pixel rgb(249, 168, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 168, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 168, 1);  
box-shadow:4px 4px 4px 4px rgb(249, 168,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 81.069, 75.832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 168, 1) }
```

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

```
.background{ background-color: rgb(249,  
168, 1) }
```

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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