

Converting Colors

CIELCh(72, 70.415, 72.172)

Have a look what the booklet for
CIELCh(72, 70.415, 72.172) contains.

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Color

CIELCh(72, 70.412, 72.238)

Conversions

Conversions Part 1

Format	Color
Hex	F09F2C
RGB	240, 159, 44
RGB Percent	94%, 62%, 17%
CMY	0.0575, 0.3754, 0.8262
CMYK	0.00, 0.34, 0.82, 0.06
HSL	35°, 87%, 56%
HSV	35°, 82%, 94%
XYZ	48.9531, 43.6590, 8.2611
YIQ	170.1090, 85.1910, -18.5930

Conversions

Conversions Part 2

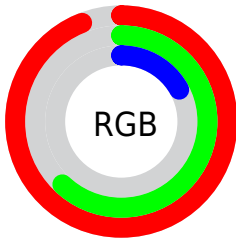
Format	Color
RYB	182, 240, 44
Decimal	15769388
CIELab	72.00, 21.48, 67.06
CIELCh	72, 70.412, 72.238
Yxy	43.6590, 0.4853, 0.4328
Android (android.graphics.Color)	4293959468 (0xFFFF09F2C)
YUV	170.1090, -62.1717, 61.2944
Hunter-Lab	66.0750, 16.6146, 38.8397

Details

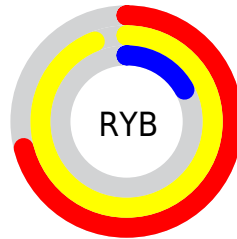
The CIELCh color **72, 70.412, 72.238** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **54, 66.728, 284.659**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **87, 60.374, 88.334**, and **52, 63.209, 69.596** is the 20% darker color. If you saturate the color by 10%, you get **70, 76.324, 69.933**, and if you desaturate by 10%, it is **74, 62.566, 74.088**.

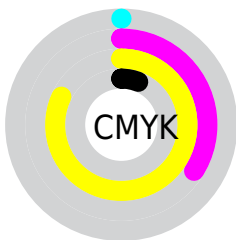
Distribution



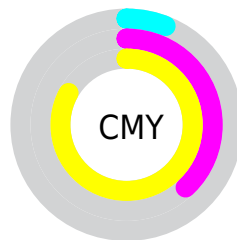
- Red (94%)
- Green (62%)
- Blue (17%)



- Red (71%)
- Yellow (94%)
- Blue (17%)



- Cyan (0%)
- Magenta (34%)
- Yellow (82%)
- Black (6%)



- Cyan (6%)
- Magenta (38%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 70.412, 72.238 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, 70.412, 72.238 by changing the saturation by 10% instead.

72, 70.412, 72.238

72, 70.412, 72.238

100, 70.412,
72.238

62, 70.412, 72.238

92, 70.412, 72.238

52, 70.412, 72.238

42, 70.412, 72.238

32, 70.412, 72.238

22, 70.412, 72.238

12, 70.412, 72.238

2, 70.412, 72.238

0, 70.412, 72.238

72, 70.412, 72.238

72, 70.412, 72.238

70, 76.324, 69.933

74, 62.566, 74.088

68, 79.468, 67.529

77, 53.758, 75.696

80, 44.619, 77.188

83, 35.489, 78.617

85, 26.537, 80.005

88, 17.834, 81.356

91, 9.403, 82.660

94, 1.239, 83.700

97, 4.284, 248.065

Harmonies

Complementary

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



72, 70.412, 72.238



54, 66.728, 284.659

Rectangle

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



72, 70.412, 72.238



72, 70.412, 122.238



72, 70.412, 252.238



72, 70.412, 302.238

Sweetspot

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



72, 70.411, 72.241



92, 20.918, 81.020



54, 75.579, 2.687



48, 14.455, 80.538



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, 70.411, 72.241



72, 82.428, 67.988



91, 87.081, 107.809



49, 4.596, 82.922



53, 64.849, 68.172



15, 23.732, 70.341

Inverse Universe

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



54, 66.728, 284.659



50, 85.217, 291.512



36, 113.609, 305.029



47, 4.551, 265.494



35, 66.609, 291.431



8, 24.874, 284.543

Previews

White Background



This preview shows how the CIELCh color 72, 70.412, 72.238 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, 70.412, 72.238 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, 70.412, 72.238

Background



This preview shows how black text looks on a background with the CIELCh color 72, 70.412, 72.238.



This preview shows how white text looks on a background with the CIELCh color 72, 70.412, 72.238.

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, 70.412, 72.238

Protanopia

72, 64.101, 95.385

Deuteranopia

72, 68.434, 82.175



Tritanopia
72, 39.373, 14.885

Trichromacy



Original Color
72, 70.412, 72.238

Protanomaly
72, 65.010, 86.817

Deuteranomaly
72, 68.712, 78.618

Tritanomaly
72, 45.081, 46.711

Monochromacy



Original Color
72, 70.412, 72.238

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 26.317, 79.056

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 70.412, 72.238 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(240, 159, 44)` looks like.

```
.text, #text, p{  
    color:rgb(240, 159, 44)  
}
```

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(240, 159, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 159, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 70.412, 72.238 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(240, 159, 44) }
```

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

```
.border{ border-color:rgb(240, 159, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 159, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 159, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 159, 44);  
box-shadow:4px 4px 4px 4px rgb(240, 159,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 70.412, 72.238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 159, 44) }
```

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

```
.background{ background-color: rgb(240,  
159, 44) }
```

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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