

Converting Colors

CIELCh(72, 83.019, 68.044)

Have a look what the booklet for
CIELCh(72, 83.019, 68.044) contains.

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Color

CIELCh(72, 82.863, 68.259)

Conversions

Conversions Part 1

Format	Color
Hex	FF9801
RGB	255, 152, 1
RGB Percent	100%, 60%, 0%
CMY	0.0005, 0.4043, 0.9971
CMYK	0.00, 0.40, 1.00, 0.00
HSL	36°, 100%, 50%
HSV	36°, 100%, 100%
XYZ	52.4073, 43.6590, 5.6859
YIQ	165.5830, 109.8590, -25.1250

Conversions

Conversions Part 2

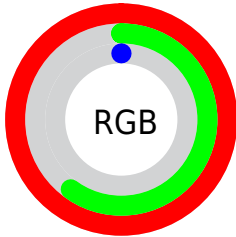
Format	Color
RYB	174, 255, 1
Decimal	16750593
CIELab	72.00, 30.69, 76.97
CIELCh	72, 82.863, 68.259
Yxy	43.6590, 0.5150, 0.4291
Android (android.graphics.Color)	4294940673 (0xFFFF9801)
YUV	165.5830, -81.1394, 78.4187
Hunter-Lab	66.0750, 25.9459, 41.1505

Details

The CIELCh color **72, 82.863, 68.259** 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 **48, 88.105, 292.764**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 68.161, 86.620**, and **52, 67.998, 62.474** is the 20% darker color. If you saturate the color by 10%, you get **72, 82.963, 68.178**, and if you desaturate by 10%, it is **74, 78.980, 71.087**.

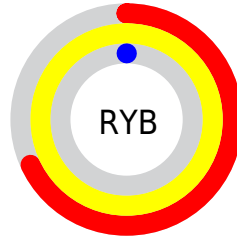
Distribution



Red (100%)

Green (60%)

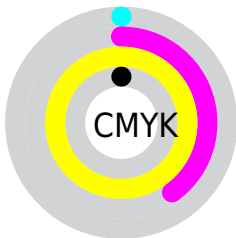
Blue (0%)



Red (68%)

Yellow (100%)

Blue (0%)

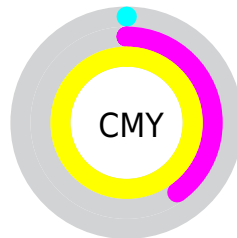


Cyan (0%)

Magenta (40%)

Yellow (100%)

Black (0%)



Cyan (0%)

Magenta (40%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 82.863, 68.259 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, 82.863, 68.259 by changing the saturation by 10% instead.

 72, 82.863, 68.259

 72, 82.863, 68.259

 100, 82.863,
68.259

 62, 82.863, 68.259

 92, 82.863, 68.259

 52, 82.863, 68.259

 42, 82.863, 68.259

 32, 82.863, 68.259

 22, 82.863, 68.259

 12, 82.863, 68.259

 2, 82.863, 68.259

 0, 82.863, 68.259

 72, 82.863, 68.259

 72, 82.863, 68.259

72, 82.963, 68.178

74, 78.980, 71.087

77, 72.484, 73.305

79, 64.104, 75.110

82, 54.812, 76.704

85, 45.220, 78.193

88, 35.657, 79.623

91, 26.281, 81.013

94, 17.161, 82.363

97, 8.316, 83.660

Harmonies

Complementary

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



72, 82.863, 68.259



48, 88.105, 292.764

Rectangle

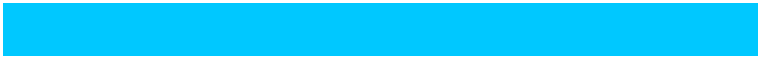
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 82.863, 68.259



72, 82.863, 118.259



72, 82.863, 248.259



72, 82.863, 298.259

Sweetspot

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



72, 82.861, 68.261



91, 26.563, 80.972



54, 84.636, 11.026



47, 18.239, 80.391



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, 82.861, 68.261



72, 82.996, 68.177



96, 97.328, 108.053



52, 4.871, 83.686



55, 66.763, 68.825



18, 27.341, 71.349

Inverse Universe

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



48, 88.105, 292.764



48, 88.423, 292.875



33, 133.207, 306.467



50, 4.828, 266.270



36, 69.915, 292.151



10, 28.097, 286.389

Previews

White Background



This preview shows how the CIELCh color 72, 82.863, 68.259 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, 82.863, 68.259 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, 82.863, 68.259

Background



This preview shows how black text looks on a background with the CIELCh color 72, 82.863, 68.259.



This preview shows how white text looks on a background with the CIELCh color 72, 82.863, 68.259.

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, 82.863, 68.259

Protanopia

72, 72.081, 94.780

Deuteranopia

72, 75.940, 83.129



Tritanopia
72, 44.824, 17.299

Trichromacy



Original Color
72, 82.863, 68.259

Protanomaly
72, 73.867, 84.209

Deuteranomaly
72, 77.708, 77.335

Tritanomaly
72, 56.510, 49.918

Monochromacy



Original Color
72, 82.863, 68.259

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 34.600, 78.376

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 82.863, 68.259 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(255, 152, 1)` looks like.

```
.text, #text, p{  
    color:rgb(255, 152, 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(255, 152, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 152, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 82.863, 68.259 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(255, 152, 1) }
```

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

```
.border{ border-color:rgb(255, 152, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 152, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 152, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 152, 1);  
box-shadow:4px 4px 4px 4px rgb(255, 152,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 82.863, 68.259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 152, 1) }
```

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

```
.background{ background-color: rgb(255,  
152, 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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