

Converting Colors

CIELCh(68, 78.096, 69.375)

Have a look what the booklet for
CIELCh(68, 78.096, 69.375) contains.

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Color

CIELCh(68, 78.080, 69.441)

Conversions

Conversions Part 1

Format	Color
Hex	ED9002
RGB	237, 144, 2
RGB Percent	93%, 56%, 1%
CMY	0.0704, 0.4351, 0.9918
CMYK	0.00, 0.39, 0.99, 0.07
HSL	36°, 98%, 47%
HSV	36°, 99%, 93%
XYZ	44.9275, 37.9720, 5.0211
YIQ	155.6190, 101.0100, -24.4460

Conversions

Conversions Part 2

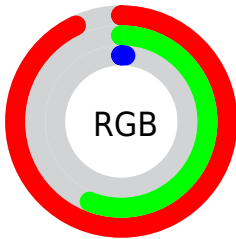
Format	Color
RYB	156, 237, 2
Decimal	15568898
CIELab	68.00, 27.42, 73.11
CIElCh	68, 78.080, 69.441
Yxy	37.9720, 0.5110, 0.4319
Android (android.graphics.Color)	4293758978 (0xFFED9002)
YUV	155.6190, -75.7342, 71.3711
Hunter-Lab	61.6215, 22.3047, 38.3039

Details

The CIELCh color **68, 78.080, 69.441** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark washed orange. A complement of this color would be **45, 83.910, 293.032**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 67.142, 82.677**, and **48, 63.142, 63.683** is the 20% darker color. If you saturate the color by 10%, you get **68, 78.379, 69.201**, and if you desaturate by 10%, it is **70, 74.291, 72.169**.

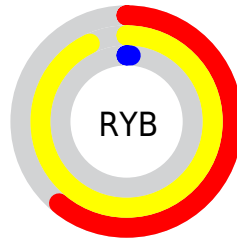
Distribution



Red (93%)

Green (56%)

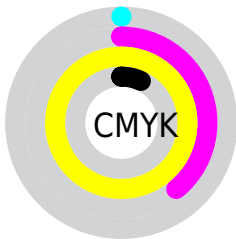
Blue (1%)



Red (61%)

Yellow (93%)

Blue (1%)

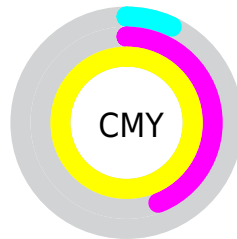


Cyan (0%)

Magenta (39%)

Yellow (99%)

Black (7%)



Cyan (7%)

Magenta (44%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 78.080, 69.441 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 68, 78.080, 69.441 by changing the saturation by 10% instead.

 68, 78.080, 69.441

 68, 78.080, 69.441

 100, 78.080,
69.441

 58, 78.080, 69.441

 88, 78.080, 69.441

 48, 78.080, 69.441

 98, 78.080, 69.441

 38, 78.080, 69.441

 28, 78.080, 69.441

 18, 78.080, 69.441

 8, 78.080, 69.441

 0, 78.080, 69.441

 68, 78.080, 69.441

 68, 78.080, 69.441

 68, 78.379, 69.201

 70, 74.291, 72.169

72, 68.061, 74.321

75, 60.122, 76.095

77, 51.355, 77.675

80, 42.312, 79.156

83, 33.288, 80.581

85, 24.430, 81.965

88, 15.801, 83.308

91, 7.419, 84.597

Harmonies

Complementary

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



68, 78.080, 69.441



45, 83.910, 293.032

Rectangle

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



68, 78.080, 69.441



68, 78.080, 119.441



68, 78.080, 249.441



68, 78.080, 299.441

Sweetspot

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



68, 78.078, 69.444



91, 26.745, 81.828



51, 80.171, 12.142



47, 18.359, 81.246



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 78.078, 69.444



72, 82.855, 69.054



89, 92.202, 109.024



48, 4.586, 84.554



53, 63.987, 69.833



15, 22.645, 72.111

Inverse Universe

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



45, 83.910, 293.032



48, 89.918, 293.519



30, 125.647, 306.514



46, 4.552, 267.111



34, 67.975, 292.647



7, 24.582, 285.324

Previews

White Background



This preview shows how the CIELCh color 68, 78.080, 69.441 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 68, 78.080, 69.441 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 68, 78.080, 69.441

Background



This preview shows how black text looks on a background with the CIELCh color 68, 78.080, 69.441.



This preview shows how white text looks on a background with the CIELCh color 68, 78.080, 69.441.

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

68, 78.080, 69.441

Protanopia

68, 68.791, 95.456

Deuteranopia

68, 72.421, 83.439



Tritanopia
68, 44.130, 17.303

Trichromacy



Original Color
68, 78.080, 69.441

Protanomaly
68, 70.195, 85.381

Deuteranomaly
68, 73.882, 77.999

Tritanomaly
68, 53.892, 49.806

Monochromacy



Original Color
68, 78.080, 69.441

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 32.366, 80.398

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 78.080, 69.441 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(237, 144, 2)` looks like.

```
.text, #text, p{  
    color:rgb(237, 144, 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(237, 144, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 144, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 78.080, 69.441 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(237, 144, 2) }
```

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

```
.border{ border-color:rgb(237, 144, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 144, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 144, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 144, 2);  
box-shadow:4px 4px 4px 4px rgb(237, 144,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 78.080, 69.441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 144, 2) }
```

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

```
.background{ background-color: rgb(237,  
144, 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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