

Converting Colors

CIELCh(70, 65.445, 72.894)

Have a look what the booklet for
CIELCh(70, 65.445, 72.894) contains.

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Color

CIELCh(70, 65.301, 73.011)

Conversions

Conversions Part 1

Format	Color
Hex	E69C33
RGB	230, 156, 51
RGB Percent	90%, 61%, 20%
CMY	0.0988, 0.3889, 0.8007
CMYK	0.00, 0.32, 0.78, 0.10
HSL	35°, 78%, 55%
HSV	35°, 78%, 90%
XYZ	45.0249, 40.7494, 8.6041
YIQ	166.1560, 77.8090, -16.9670

Conversions

Conversions Part 2

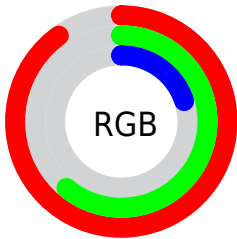
Format	Color
RYB	177, 230, 51
Decimal	15113267
CIELab	70.00, 19.08, 62.45
CIElCh	70, 65.301, 73.011
Yxy	40.7494, 0.4771, 0.4318
Android (android.graphics.Color)	4293303347 (0xFFE69C33)
YUV	166.1560, -56.7719, 55.9912
Hunter-Lab	63.8353, 14.1897, 36.6932

Details

The CIELCh color **70, 65.301, 73.011** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle washed orange. A complement of this color would be **53, 61.319, 283.141**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 57.165, 85.847**, and **50, 60.679, 71.606** is the 20% darker color. If you saturate the color by 10%, you get **68, 71.848, 70.924**, and if you desaturate by 10%, it is **72, 57.283, 74.744**.

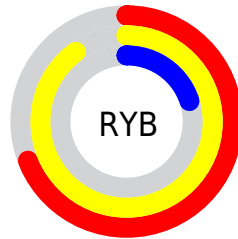
Distribution



Red (90%)

Green (61%)

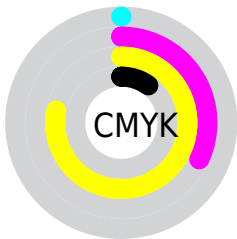
Blue (20%)



Red (69%)

Yellow (90%)

Blue (20%)

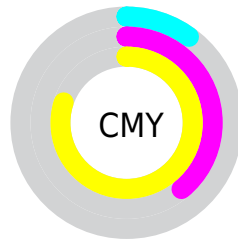


Cyan (0%)

Magenta (32%)

Yellow (78%)

Black (10%)



Cyan (10%)

Magenta (39%)

Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 65.301, 73.011 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 70, 65.301, 73.011 by changing the saturation by 10% instead.

 70, 65.301, 73.011

 70, 65.301, 73.011

 100, 65.301,
73.011

 60, 65.301, 73.011

 90, 65.301, 73.011

 50, 65.301, 73.011

 40, 65.301, 73.011

 30, 65.301, 73.011

 20, 65.301, 73.011

 10, 65.301, 73.011

 0, 65.301, 73.011

 70, 65.301, 73.011

 70, 65.301, 73.011

 68, 71.848, 70.924

 72, 57.283, 74.744

65, 76.042, 68.231

75, 48.614, 76.295

65, 76.807, 67.644

78, 39.776, 77.755

80, 31.024, 79.164

83, 22.476, 80.535

86, 14.179, 81.867

89, 6.145, 83.140

92, 1.637, 264.660

95, 7.981, 261.335

Harmonies

Complementary

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



70, 65.301, 73.011



53, 61.319, 283.141

Rectangle

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



70, 65.301, 73.011



70, 65.301, 123.011



70, 65.301, 253.011



70, 65.301, 303.011

Sweetspot

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



70, 65.300, 73.014



93, 20.016, 81.173



53, 71.194, 1.320



48, 13.937, 80.686



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 65.300, 73.014



73, 80.612, 69.480



88, 81.922, 107.881



47, 4.435, 82.947



51, 63.494, 68.266



13, 21.253, 70.150

Inverse Universe

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



53, 61.319, 283.141



52, 80.568, 289.483



36, 105.250, 304.469



45, 4.392, 265.507



34, 65.113, 291.359



7, 22.851, 283.186

Previews

White Background



This preview shows how the CIELCh color 70, 65.301, 73.011 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 70, 65.301, 73.011 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 70, 65.301, 73.011

Background



This preview shows how black text looks on a background with the CIELCh color 70, 65.301, 73.011.



This preview shows how white text looks on a background with the CIELCh color 70, 65.301, 73.011.

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





Tritanopia
70, 36.321, 13.836

Trichromacy



Original Color
70, 65.301, 73.011

Protanomaly
70, 60.747, 86.730

Deuteranomaly
70, 63.876, 78.631

Tritanomaly
70, 41.147, 46.747

Monochromacy



Original Color
70, 65.301, 73.011

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 23.849, 79.507

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 65.301, 73.011 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(230, 156, 51)` looks like.

```
.text, #text, p{  
    color:rgb(230, 156, 51)  
}
```

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(230, 156, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 156, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 65.301, 73.011 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(230, 156, 51) }
```

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

```
.border{ border-color:rgb(230, 156, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 156, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 156, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 156, 51);  
box-shadow:4px 4px 4px 4px rgb(230, 156,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 65.301, 73.011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 156, 51) }
```

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

```
.background{ background-color: rgb(230,  
156, 51) }
```

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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