

Converting Colors

CIELCh(69, 63.943, 74.082)

Have a look what the booklet for
CIELCh(69, 63.943, 74.082) contains.

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Color

CIELCh(69, 63.940, 74.060)

Conversions

Conversions Part 1

Format	Color
Hex	E09A32
RGB	224, 154, 50
RGB Percent	88%, 60%, 20%
CMY	0.1202, 0.3949, 0.8027
CMYK	0.00, 0.31, 0.78, 0.12
HSL	36°, 74%, 54%
HSV	36°, 78%, 88%
XYZ	43.0344, 39.3444, 8.3792
YIQ	163.0740, 75.1040, -17.5040

Conversions

Conversions Part 2

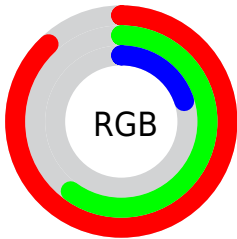
Format	Color
RYB	167, 224, 50
Decimal	14719538
CIELab	69.00, 17.56, 61.48
CIELCh	69, 63.940, 74.060
Yxy	39.3444, 0.4742, 0.4335
Android (android.graphics.Color)	4292909618 (0xFFE09A32)
YUV	163.0740, -55.7455, 53.4321
Hunter-Lab	62.7251, 12.6962, 35.9873

Details

The CIELCh color **69, 63.940, 74.060** 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 **51, 60.965, 283.872**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 57.129, 84.881**, and **49, 59.318, 72.315** is the 20% darker color. If you saturate the color by 10%, you get **67, 70.332, 72.000**, and if you desaturate by 10%, it is **71, 56.110, 75.786**.

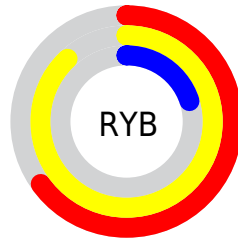
Distribution



Red (88%)

Green (60%)

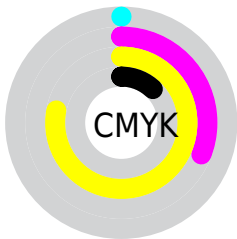
Blue (20%)



Red (65%)

Yellow (88%)

Blue (20%)

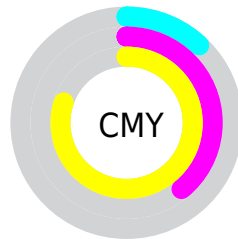


Cyan (0%)

Magenta (31%)

Yellow (78%)

Black (12%)



Cyan (12%)

Magenta (39%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 63.940, 74.060 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 69, 63.940, 74.060 by changing the saturation by 10% instead.

69, 63.940, 74.060

69, 63.940, 74.060

100, 63.940,
74.060

59, 63.940, 74.060

89, 63.940, 74.060

49, 63.940, 74.060

99, 63.940, 74.060

39, 63.940, 74.060

29, 63.940, 74.060

19, 63.940, 74.060

9, 63.940, 74.060

0, 63.940, 74.060

69, 63.940, 74.060

69, 63.940, 74.060

67, 70.332, 72.000

71, 56.110, 75.786

65, 74.418, 69.360

74, 47.630, 77.336

64, 75.261, 68.697

76, 38.968, 78.798

79, 30.371, 80.209

82, 21.958, 81.580

84, 13.778, 82.912

87, 5.841, 84.181

90, 1.857, 265.666

93, 9.334, 266.740

Harmonies

Complementary

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



69, 63.940, 74.060



51, 60.965, 283.872

Rectangle

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



69, 63.940, 74.060



69, 63.940, 124.060



69, 63.940, 254.060



69, 63.940, 304.060

Sweetspot

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



69, 63.939, 74.063



93, 20.185, 82.173



51, 69.699, 1.181



48, 14.049, 81.684



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 63.939, 74.063



74, 80.535, 70.466



86, 80.190, 107.891



46, 4.395, 83.952



51, 62.699, 69.296



13, 20.060, 71.199

Inverse Universe

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



51, 60.965, 283.872



51, 82.140, 290.293



36, 102.849, 304.405



44, 4.359, 266.501



33, 65.617, 292.093



6, 22.052, 282.766

Previews

White Background



This preview shows how the CIELCh color 69, 63.940, 74.060 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 CIE LCh color 69, 63.940, 74.060 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 69, 63.940, 74.060

Background



This preview shows how black text looks on a background with the CIELCh color 69, 63.940, 74.060.



This preview shows how white text looks on a background with the CIELCh color 69, 63.940, 74.060.

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

69, 63.940, 74.060

Protanopia

69, 59.136, 95.350

Deuteranopia

69, 62.525, 81.643



Tritanopia
69, 35.209, 13.425

Trichromacy



Original Color
69, 63.940, 74.060

Protanomaly
69, 59.686, 87.323

Deuteranomaly
69, 62.741, 79.032

Tritanomaly
69, 39.762, 46.840

Monochromacy



Original Color
69, 63.940, 74.060

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 23.493, 81.269

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 63.940, 74.060 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(224, 154, 50)` looks like.

```
.text, #text, p{  
    color:rgb(224, 154, 50)  
}
```

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(224, 154, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 154, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 63.940, 74.060 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(224, 154, 50) }
```

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

```
.border{ border-color:rgb(224, 154, 50) }
```

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

Here you see how a box with a 4 pixel rgb(224, 154, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 154, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 154, 50);  
box-shadow:4px 4px 4px 4px rgb(224, 154,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 63.940, 74.060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 154, 50) }
```

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

```
.background{ background-color: rgb(224,  
154, 50) }
```

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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