

Converting Colors

CIELCh(70, 56.602, 74.269)

Have a look what the booklet for
CIELCh(70, 56.602, 74.269) contains.

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Color

CIELCh(70, 56.832, 74.362)

Conversions

Conversions Part 1

Format	Color
Hex	DF9F45
RGB	223, 159, 69
RGB Percent	87%, 62%, 27%
CMY	0.1269, 0.3776, 0.7306
CMYK	0.00, 0.29, 0.69, 0.13
HSL	35°, 70%, 57%
HSV	35°, 69%, 87%
XYZ	43.7342, 40.7494, 11.1421
YIQ	167.8760, 67.0340, -14.4220

Conversions

Conversions Part 2

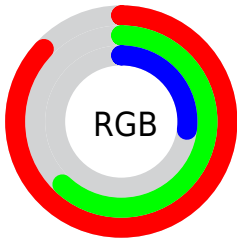
Format	Color
RYB	179, 223, 69
Decimal	14655301
CIELab	70.00, 15.32, 54.73
CIELCh	70, 56.832, 74.362
Yxy	40.7494, 0.4573, 0.4261
Android (android.graphics.Color)	4292845381 (0xFFDF9F45)
YUV	167.8760, -48.7459, 48.3437
Hunter-Lab	63.8353, 10.5805, 34.3359

Details

The CIELCh color **70, 56.832, 74.362** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **55, 52.644, 279.628**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **87, 50.943, 86.280**, and **50, 56.697, 74.745** is the 20% darker color. If you saturate the color by 10%, you get **68, 64.546, 72.610**, and if you desaturate by 10%, it is **72, 48.416, 75.926**.

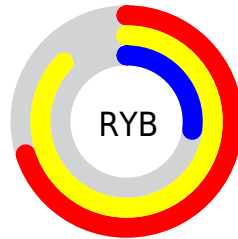
Distribution



Red (87%)

Green (62%)

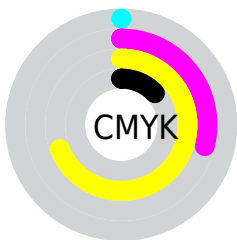
Blue (27%)



Red (70%)

Yellow (87%)

Blue (27%)

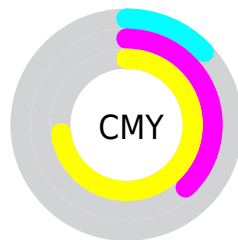


Cyan (0%)

Magenta (29%)

Yellow (69%)

Black (13%)



Cyan (13%)

Magenta (38%)

Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 56.832, 74.362 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, 56.832, 74.362 by changing the saturation by 10% instead.

 70, 56.832, 74.362

 70, 56.832, 74.362

 100, 56.832,
74.362

 60, 56.832, 74.362

 90, 56.832, 74.362

 50, 56.832, 74.362

 40, 56.832, 74.362

 30, 56.832, 74.362

 20, 56.832, 74.362

 10, 56.832, 74.362

 0, 56.832, 74.362

 70, 56.832, 74.362

 70, 56.832, 74.362

 68, 64.546, 72.610

 72, 48.416, 75.926

65, 70.732, 70.468

75, 39.804, 77.389

63, 74.701, 67.747

78, 31.259, 78.799

63, 75.021, 67.516

80, 22.907, 80.171

83, 14.799, 81.505

86, 6.949, 82.786

89, 0.651, 264.600

92, 8.018, 265.359

94, 9.246, 245.883

Harmonies

Complementary

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



70, 56.832, 74.362



55, 52.644, 279.628

Rectangle

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



70, 56.832, 74.362



70, 56.832, 124.362



70, 56.832, 254.362



70, 56.832, 304.362

Sweetspot

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



70, 56.831, 74.365



93, 18.185, 81.239



54, 64.239, 358.640



49, 12.365, 80.870



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, 56.831, 74.365



76, 74.863, 71.713



85, 73.735, 108.188



46, 4.346, 82.748



51, 62.841, 68.111



13, 19.961, 69.768

Inverse Universe

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



55, 52.644, 279.628



56, 71.093, 285.187



40, 91.252, 302.995



44, 4.302, 265.303



34, 64.098, 291.155



7, 21.656, 281.906

Previews

White Background



This preview shows how the CIELCh color 70, 56.832, 74.362 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, 56.832, 74.362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

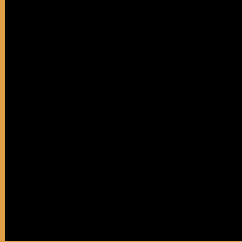
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 56.832, 74.362

Background



This preview shows how black text looks on a background with the CIELCh color 70, 56.832, 74.362.



This preview shows how white text looks on a background with the CIELCh color 70, 56.832, 74.362.

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

70, 56.832, 74.362

Protanopia

70, 52.784, 95.628

Deuteranopia

70, 55.863, 80.940



Tritanopia
70, 32.228, 12.124

Trichromacy



Original Color
70, 56.832, 74.362

Protanomaly
70, 53.173, 87.215

Deuteranomaly
70, 56.010, 78.006

Tritanomaly
70, 35.131, 45.247

Monochromacy



Original Color
70, 56.832, 74.362

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 20.485, 80.565

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 56.832, 74.362 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(223, 159, 69)` looks like.

```
.text, #text, p{  
    color:rgb(223, 159, 69)  
}
```

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(223, 159, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 159, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 56.832, 74.362 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(223, 159, 69) }
```

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

```
.border{ border-color:rgb(223, 159, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 159, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 159, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 159, 69);  
box-shadow:4px 4px 4px 4px rgb(223, 159,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 56.832, 74.362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 159, 69) }
```

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

```
.background{ background-color: rgb(223,  
159, 69) }
```

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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