

Converting Colors

CIELCh(73, 56.553, 69.659)

Have a look what the booklet for
CIELCh(73, 56.553, 69.659) contains.

CIELCh(73, 56.449, 69.666)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(73, 56.449, 69.666)

Conversions

Conversions Part 1

Format	Color
Hex	EEA451
RGB	238, 164, 81
RGB Percent	93%, 64%, 32%
CMY	0.0679, 0.3579, 0.6834
CMYK	0.00, 0.31, 0.66, 0.07
HSL	32°, 82%, 62%
HSV	32°, 66%, 93%
XYZ	49.8548, 45.1644, 13.8226
YIQ	176.6640, 70.7470, -10.1250

Conversions

Conversions Part 2

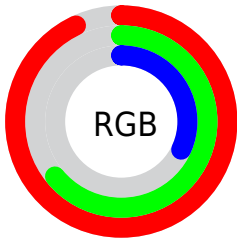
Format	Color
R _{YB}	221, 238, 81
Decimal	15639633
CIE _{Lab}	73.00, 19.62, 52.93
CIE _{LCh}	73, 56.449, 69.666
Y _{xy}	45.1644, 0.4580, 0.4150
Android (android.graphics.Color)	4293829713 (0xFFEEA451)
YUV	176.6640, -47.1624, 53.7917
Hunter-Lab	67.2044, 14.8103, 34.8484

Details

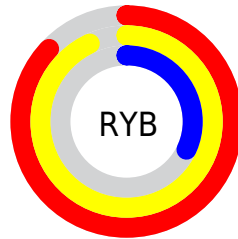
The CIELCh color **73, 56.449, 69.666** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **63, 48.591, 273.306**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 46.731, 87.807**, and **53, 56.478, 69.470** is the 20% darker color. If you saturate the color by 10%, you get **70, 65.274, 68.072**, and if you desaturate by 10%, it is **76, 47.263, 71.109**.

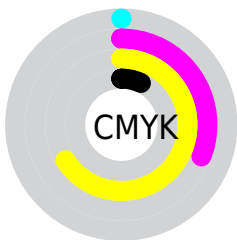
Distribution



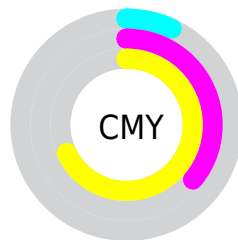
- Red (93%)
- Green (64%)
- Blue (32%)



- Red (87%)
- Yellow (93%)
- Blue (32%)



- Cyan (0%)
- Magenta (31%)
- Yellow (66%)
- Black (7%)



- Cyan (7%)
- Magenta (36%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 56.449, 69.666 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 73, 56.449, 69.666 by changing the saturation by 10% instead.

73, 56.449, 69.666

73, 56.449, 69.666

100, 56.449,
69.666

63, 56.449, 69.666

93, 56.449, 69.666

53, 56.449, 69.666

43, 56.449, 69.666

33, 56.449, 69.666

23, 56.449, 69.666

13, 56.449, 69.666

3, 56.449, 69.666

0, 56.449, 69.666

73, 56.449, 69.666

73, 56.449, 69.666

70, 65.274, 68.072

76, 47.263, 71.109

68, 72.972, 66.128

79, 38.130, 72.480

65, 78.442, 63.516

82, 29.243, 73.818

64, 80.160, 62.373

85, 20.682, 75.133

89, 12.468, 76.419

92, 4.590, 77.637

95, 2.975, 259.093

98, 5.424, 208.253

99, 5.947, 199.140

Harmonies

Complementary

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



73, 56.449, 69.666



63, 48.591, 273.306

Rectangle

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



73, 56.449, 69.666



73, 56.449, 119.666



73, 56.449, 249.666



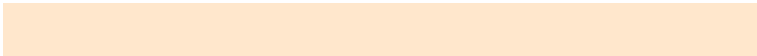
73, 56.449, 299.666

Sweetspot

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



73, 56.448, 69.670



93, 16.610, 75.903



58, 66.941, 353.097



49, 11.401, 75.540



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 56.448, 69.670



74, 71.679, 67.488



91, 74.813, 104.998



48, 4.387, 77.233



50, 65.875, 63.035



14, 23.451, 64.254

Inverse Universe

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



63, 48.591, 273.306



61, 61.348, 278.493



44, 92.006, 301.327



48, 4.309, 259.790



38, 59.714, 286.749



9, 22.491, 279.302

Previews

White Background



This preview shows how the CIELCh color 73, 56.449, 69.666 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 73, 56.449, 69.666 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 73, 56.449, 69.666

Background



This preview shows how black text looks on a background with the CIELCh color 73, 56.449, 69.666.



This preview shows how white text looks on a background with the CIELCh color 73, 56.449, 69.666.

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

73, 56.449, 69.666

Protanopia

73, 49.849, 95.711

Deuteranopia

73, 54.068, 80.348



Tritanopia
73, 35.995, 12.786

Trichromacy



Original Color
73, 56.449, 69.666

Protanomaly
73, 50.754, 85.495

Deuteranomaly
73, 54.549, 75.936

Tritanomaly
73, 38.043, 40.969

Monochromacy



Original Color
73, 56.449, 69.666

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 20.001, 76.321

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 56.449, 69.666 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(238, 164, 81)` looks like.

```
.text, #text, p{  
    color:rgb(238, 164, 81)  
}
```

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(238, 164, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 164, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 56.449, 69.666 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(238, 164, 81) }
```

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

```
.border{ border-color:rgb(238, 164, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 164, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 164, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 164, 81);  
box-shadow:4px 4px 4px 4px rgb(238, 164,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 56.449, 69.666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 164, 81) }
```

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

```
.background{ background-color: rgb(238,  
164, 81) }
```

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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