

Converting Colors

CIELCh(71, 70.081, 63.657)

Have a look what the booklet for
CIELCh(71, 70.081, 63.657) contains.

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Color

CIELCh(71, 69.929, 63.495)

Conversions

Conversions Part 1

Format	Color
Hex	FA9537
RGB	250, 149, 55
RGB Percent	98%, 58%, 22%
CMY	0.0188, 0.4150, 0.7836
CMYK	0.00, 0.40, 0.78, 0.02
HSL	29°, 95%, 60%
HSV	29°, 78%, 98%
XYZ	50.9651, 42.1875, 9.0932
YIQ	168.4830, 90.3700, -7.8220

Conversions

Conversions Part 2

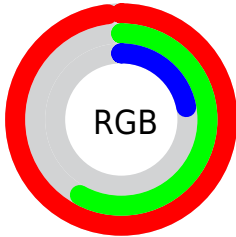
Format	Color
R _Y B	250, 236, 55
Decimal	16422199
CIE Lab	71.00, 31.21, 62.58
CIE LCh	71, 69.929, 63.495
Yxy	42.1875, 0.4985, 0.4126
Android (android.graphics.Color)	4294612279 (0xFFFA9537)
YUV	168.4830, -55.9471, 71.4904
Hunter-Lab	64.9519, 26.3957, 37.1658

Details

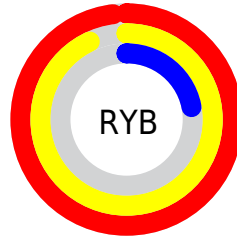
The CIELCh color **71, 69.929, 63.495** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **63, 55.050, 273.052**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **85, 54.461, 82.147**, and **51, 67.378, 61.873** is the 20% darker color. If you saturate the color by 10%, you get **68, 78.164, 61.596**, and if you desaturate by 10%, it is **74, 60.459, 64.986**.

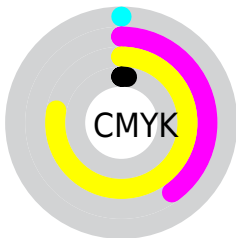
Distribution



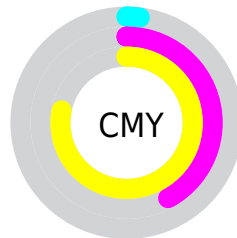
- Red (98%)
- Green (58%)
- Blue (22%)



- Red (98%)
- Yellow (93%)
- Blue (22%)



- Cyan (0%)
- Magenta (40%)
- Yellow (78%)
- Black (2%)



- Cyan (2%)
- Magenta (42%)
- Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 69.929, 63.495 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 71, 69.929, 63.495 by changing the saturation by 10% instead.

 71, 69.929, 63.495

 71, 69.929, 63.495

 100, 69.929,
63.495

 61, 69.929, 63.495

 91, 69.929, 63.495

 51, 69.929, 63.495

 41, 69.929, 63.495

 31, 69.929, 63.495

 21, 69.929, 63.495

 11, 69.929, 63.495

 1, 69.929, 63.495

 0, 69.929, 63.495

 71, 69.929, 63.495

 71, 69.929, 63.495

68, 78.164, 61.596

74, 60.459, 64.986

65, 83.995, 58.928

77, 50.650, 66.300

65, 85.047, 58.364

81, 40.968, 67.552

84, 31.625, 68.788

88, 22.701, 70.018

92, 14.210, 71.237

95, 6.135, 72.415

99, 1.424, 249.848

100, 1.666,
199.697

Harmonies

Complementary

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



71, 69.929, 63.495



63, 55.050, 273.052

Rectangle

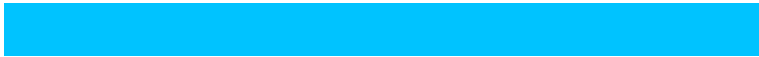
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71, 69.929, 63.495



71, 69.929, 113.495



71, 69.929, 243.495



71, 69.929, 293.495

Sweetspot

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



71, 69.927, 63.498



91, 18.735, 70.620



58, 78.924, 352.406



47, 13.088, 70.178



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 69.927, 63.498



68, 83.255, 60.055



94, 85.225, 101.635



50, 4.401, 72.239



50, 68.523, 59.072



15, 25.850, 59.831

Inverse Universe

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



63, 55.050, 273.052



58, 66.783, 280.432



40, 110.151, 302.776



50, 4.292, 254.732



42, 55.618, 282.317



12, 22.225, 275.264

Previews

White Background



This preview shows how the CIELCh color 71, 69.929, 63.495 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 71, 69.929, 63.495 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 71, 69.929, 63.495

Background



This preview shows how black text looks on a background with the CIELCh color 71, 69.929, 63.495.



This preview shows how white text looks on a background with the CIELCh color 71, 69.929, 63.495.

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

71, 69.929, 63.495

Protanopia

71, 58.358, 95.546

Deuteranopia

71, 64.331, 81.521



Tritanopia
71, 46.626, 17.847

Trichromacy



Original Color
71, 69.929, 63.495

Protanomaly
71, 59.640, 82.589

Deuteranomaly
71, 65.493, 74.518

Tritanomaly
71, 50.797, 39.890

Monochromacy



Original Color
71, 69.929, 63.495

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 24.490, 68.800

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 69.929, 63.495 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(250, 149, 55)` looks like.

```
.text, #text, p{  
    color:rgb(250, 149, 55)  
}
```

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(250, 149, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 149, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 69.929, 63.495 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(250, 149, 55) }
```

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

```
.border{ border-color:rgb(250, 149, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 149, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 149, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 149, 55);  
box-shadow:4px 4px 4px 4px rgb(250, 149,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 69.929, 63.495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 149, 55) }
```

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

```
.background{ background-color: rgb(250,  
149, 55) }
```

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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