

Converting Colors

CIELCh(69, 76.322, 63.621)

Have a look what the booklet for
CIELCh(69, 76.322, 63.621) contains.

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Color

CIELCh(69, 76.393, 63.291)

Conversions

Conversions Part 1

Format	Color
Hex	F98D22
RGB	249, 141, 34
RGB Percent	98%, 55%, 13%
CMY	0.0232, 0.4467, 0.8663
CMYK	0.00, 0.43, 0.86, 0.02
HSL	30°, 95%, 56%
HSV	30°, 86%, 98%
XYZ	48.9254, 39.3444, 6.5361
YIQ	161.0940, 98.7150, -10.3810

Conversions

Conversions Part 2

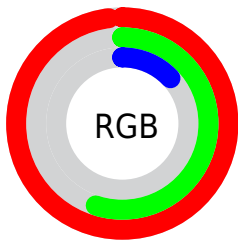
Format	Color
R_{YB}	249, 247, 34
Decimal	16354594
CIE _{Lab}	69.00, 34.34, 68.24
CIE _{LCh}	69, 76.393, 63.291
Yxy	39.3444, 0.5161, 0.4150
Android (android.graphics.Color)	4294544674 (0xFFFF98D22)
YUV	161.0940, -62.6573, 77.0936
Hunter-Lab	62.7251, 29.4607, 37.7294

Details

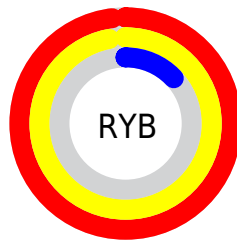
The CIELCh color **69, 76.393, 63.291** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **59, 62.124, 278.461**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 60.140, 79.485**, and **49, 67.720, 59.264** is the 20% darker color. If you saturate the color by 10%, you get **66, 82.382, 60.698**, and if you desaturate by 10%, it is **72, 68.094, 65.169**.

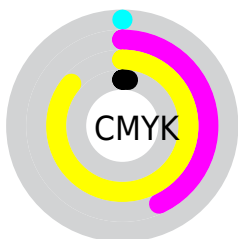
Distribution



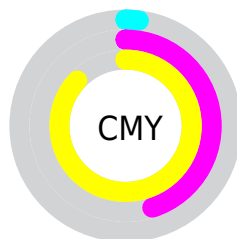
- Red (98%)
- Green (55%)
- Blue (13%)



- Red (98%)
- Yellow (97%)
- Blue (13%)



- Cyan (0%)
- Magenta (43%)
- Yellow (86%)
- Black (2%)



- Cyan (2%)
- Magenta (45%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 76.393, 63.291 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, 76.393, 63.291 by changing the saturation by 10% instead.

 69, 76.393, 63.291

 69, 76.393, 63.291

 100, 76.393,
63.291

 59, 76.393, 63.291

 89, 76.393, 63.291

 49, 76.393, 63.291

 99, 76.393, 63.291

 39, 76.393, 63.291

 29, 76.393, 63.291

 19, 76.393, 63.291

 9, 76.393, 63.291

 0, 76.393, 63.291

 69, 76.393, 63.291

 69, 76.393, 63.291

 66, 82.382, 60.698

 72, 68.094, 65.169

65, 84.155, 59.639

75, 58.694, 66.680

78, 49.003, 68.035

81, 39.443, 69.332

85, 30.205, 70.608

88, 21.363, 71.872

92, 12.928, 73.118

96, 4.882, 74.303

99, 1.725, 222.125

Harmonies

Complementary

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



69, 76.393, 63.291



59, 62.124, 278.461

Rectangle

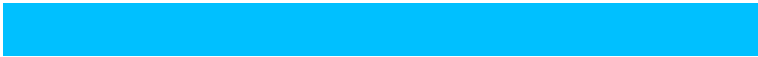
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69, 76.393, 63.291



69, 76.393, 113.291



69, 76.393, 243.291



69, 76.393, 293.291

Sweetspot

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



69, 76.391, 63.294



90, 21.501, 71.907



55, 81.385, 356.109



47, 14.698, 71.471



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, 76.391, 63.294



67, 85.688, 59.588



94, 90.495, 102.163



50, 4.444, 73.940



50, 68.062, 60.336



15, 25.832, 61.411

Inverse Universe

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



59, 62.124, 278.461



55, 73.309, 284.797



35, 121.507, 304.748



50, 4.344, 256.465



41, 57.401, 283.908



11, 22.856, 276.980

Previews

White Background



This preview shows how the CIELCh color 69, 76.393, 63.291 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 69, 76.393, 63.291 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, 76.393, 63.291

Background



This preview shows how black text looks on a background with the CIELCh color 69, 76.393, 63.291.



This preview shows how white text looks on a background with the CIELCh color 69, 76.393, 63.291.

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, 76.393, 63.291

Protanopia

69, 63.801, 95.070

Deuteranopia

69, 70.209, 82.816



Tritanopia
69, 49.940, 19.447

Trichromacy



Original Color
69, 76.393, 63.291

Protanomaly
69, 65.458, 82.235

Deuteranomaly
69, 71.397, 75.169

Tritanomaly
69, 56.057, 42.094

Monochromacy



Original Color
69, 76.393, 63.291

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 27.582, 70.408

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 76.393, 63.291 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(249, 141, 34)` looks like.

```
.text, #text, p{  
    color:rgb(249, 141, 34)  
}
```

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(249, 141, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 141, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 76.393, 63.291 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(249, 141, 34) }
```

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

```
.border{ border-color:rgb(249, 141, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 141, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 141, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 141, 34);  
box-shadow:4px 4px 4px 4px rgb(249, 141,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 76.393, 63.291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 141, 34) }
```

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

```
.background{ background-color: rgb(249,  
141, 34) }
```

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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