

Converting Colors

CIELCh(79, 94.416, 47.553)

Have a look what the booklet for
CIELCh(79, 94.416, 47.553) contains.

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Color

CIELCh(69, 69.141, 55.457)

Conversions

Conversions Part 1

Format	Color
Hex	FE8940
RGB	254, 137, 64
RGB Percent	100%, 54%, 25%
CMY	0.0042, 0.4624, 0.7485
CMYK	0.00, 0.46, 0.75, 0.00
HSL	23°, 99%, 62%
HSV	23°, 75%, 100%
XYZ	50.7307, 39.3444, 9.7903
YIQ	163.6610, 93.1650, 2.1010

Conversions

Conversions Part 2

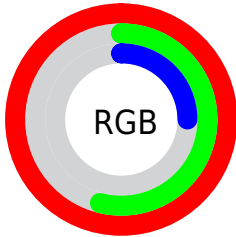
Format	Color
R _Y B	254, 183, 64
Decimal	16681280
CIE Lab	69.00, 39.20, 56.95
CIE LCh	69, 69.141, 55.457
Yxy	39.3444, 0.5080, 0.3940
Android (android.graphics.Color)	4294871360 (0xFFFE8940)
YUV	163.6610, -49.1329, 79.2273
Hunter-Lab	62.7251, 34.5979, 34.6534

Details

The CIELCh color **69, 69.141, 55.457** 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 **70, 46.175, 259.020**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 48.862, 73.011**, and **49, 69.258, 55.499** is the 20% darker color. If you saturate the color by 10%, you get **66, 79.160, 54.368**, and if you desaturate by 10%, it is **73, 58.521, 56.285**.

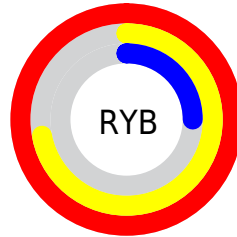
Distribution



Red (100%)

Green (54%)

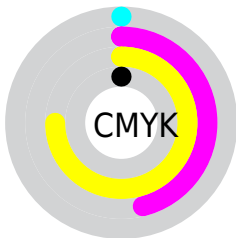
Blue (25%)



Red (100%)

Yellow (72%)

Blue (25%)

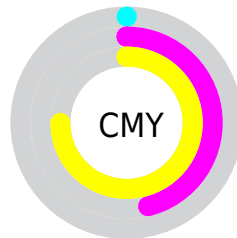


Cyan (0%)

Magenta (46%)

Yellow (75%)

Black (0%)



Cyan (0%)

Magenta (46%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 69.141, 55.457 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, 69.141, 55.457 by changing the saturation by 10% instead.

69, 69.141, 55.457

69, 69.141, 55.457

100, 69.141,
55.457

59, 69.141, 55.457

89, 69.141, 55.457

49, 69.141, 55.457

99, 69.141, 55.457

39, 69.141, 55.457

29, 69.141, 55.457

19, 69.141, 55.457

9, 69.141, 55.457

0, 69.141, 55.457

69, 69.141, 55.457

69, 69.141, 55.457

66, 79.160, 54.368

73, 58.521, 56.285

63, 87.249, 52.579

76, 48.028, 57.054

61, 90.572, 51.381

80, 37.982, 57.852

84, 28.505, 58.702

89, 19.620, 59.600

93, 11.305, 60.526

98, 3.518, 61.391

100, 0.376,
201.143

Harmonies

Complementary

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



69, 69.141, 55.457



70, 46.175, 259.020

Rectangle

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



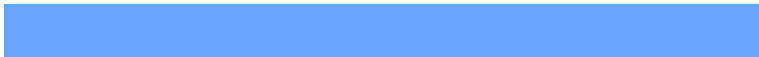
69, 69.141, 55.457



69, 69.141, 105.457



69, 69.141, 235.457



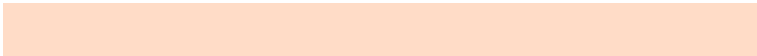
69, 69.141, 285.457

Sweetspot

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



69, 69.139, 55.460



90, 17.344, 59.852



60, 81.407, 346.008



47, 11.761, 59.602



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, 69.139, 55.460



64, 84.046, 53.546



91, 79.053, 96.901



51, 4.300, 61.004



47, 72.760, 52.039



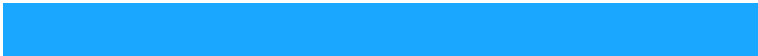
14, 27.597, 50.802

Inverse Universe

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



70, 46.175, 259.020



66, 53.385, 266.120



46, 97.707, 299.296



51, 4.130, 243.113



48, 46.088, 270.280



15, 19.400, 263.040

Previews

White Background



This preview shows how the CIELCh color 69, 69.141, 55.457 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, 69.141, 55.457 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, 69.141, 55.457

Background



This preview shows how black text looks on a background with the CIELCh color 69, 69.141, 55.457.



This preview shows how white text looks on a background with the CIELCh color 69, 69.141, 55.457.

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, 69.227, 55.432

Protanopia

69, 51.056, 95.411

Deuteranopia

69, 58.982, 81.187



Tritanopia
69, 50.801, 19.667

Trichromacy



Original Color
69, 69.227, 55.432

Protanomaly
68, 53.414, 77.276

Deuteranomaly
69, 60.979, 70.542

Tritanomaly
69, 55.022, 36.139

Monochromacy



Original Color
69, 69.227, 55.432

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 23.365, 57.886

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 69.141, 55.457 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(254, 137, 64)` looks like.

```
.text, #text, p{  
    color:rgb(254, 137, 64)  
}
```

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(254, 137, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 137, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 69.141, 55.457 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(254, 137, 64) }
```

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

```
.border{ border-color:rgb(254, 137, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 137, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 137, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 137, 64);  
box-shadow:4px 4px 4px 4px rgb(254, 137,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 69.141, 55.457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 137, 64) }
```

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

```
.background{ background-color: rgb(254,  
137, 64) }
```

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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