

Converting Colors

CIELCh(72, 54.433, 49.231)

Have a look what the booklet for
CIELCh(72, 54.433, 49.231) contains.

CIELCh(72, 54.537, 49.112)	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(72, 54.537, 49.112)

Conversions

Conversions Part 1

Format	Color
Hex	FF9567
RGB	255, 149, 103
RGB Percent	100%, 58%, 40%
CMY	0.0006, 0.4162, 0.5966
CMYK	0.00, 0.42, 0.60, 0.00
HSL	18°, 100%, 70%
HSV	18°, 60%, 100%
XYZ	54.3503, 43.6590, 18.3609
YIQ	175.4500, 77.9420, 8.1660

Conversions

Conversions Part 2

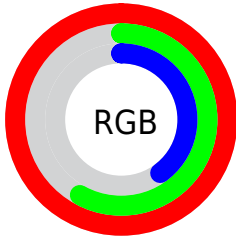
Format	Color
RYB	255, 169, 103
Decimal	16749927
CIELab	72.00, 35.70, 41.23
CIElCh	72, 54.537, 49.112
Yxy	43.6590, 0.4670, 0.3752
Android (android.graphics.Color)	4294940007 (0xFFFF9567)
YUV	175.4500, -35.7178, 69.7654
Hunter-Lab	66.0750, 31.1948, 29.7770

Details

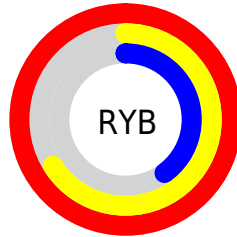
The CIELCh color **72, 54.537, 49.112** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **79, 36.255, 241.013**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **85, 33.391, 69.452**, and **52, 54.736, 49.341** is the 20% darker color. If you saturate the color by 10%, you get **68, 65.780, 49.003**, and if you desaturate by 10%, it is **76, 43.747, 49.315**.

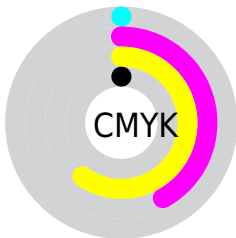
Distribution



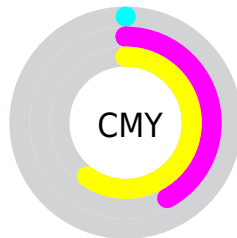
- Red (100%)
- Green (58%)
- Blue (40%)



- Red (100%)
- Yellow (66%)
- Blue (40%)



- Cyan (0%)
- Magenta (42%)
- Yellow (60%)
- Black (0%)



- Cyan (0%)
- Magenta (42%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 54.537, 49.112 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 72, 54.537, 49.112 by changing the saturation by 10% instead.

 72, 54.537, 49.112

 72, 54.537, 49.112

 100, 54.537,
49.112

 62, 54.537, 49.112

 92, 54.537, 49.112

 52, 54.537, 49.112

 42, 54.537, 49.112

 32, 54.537, 49.112

 22, 54.537, 49.112

 12, 54.537, 49.112

 2, 54.537, 49.112

 0, 54.537, 49.112

 72, 54.537, 49.112

 72, 54.537, 49.112

68, 65.780, 49.003

76, 43.747, 49.315

64, 77.009, 48.845

81, 33.601, 49.635

61, 87.175, 48.302

85, 24.153, 50.069

59, 94.802, 46.946

90, 15.389, 50.594

59, 95.063, 46.904

95, 7.267, 51.165

100, 0.054,
211.669

Harmonies

Complementary

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



72, 54.537, 49.112



79, 36.255, 241.013

Rectangle

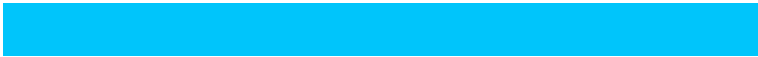
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 54.537, 49.112



72, 54.537, 99.112



72, 54.537, 229.112



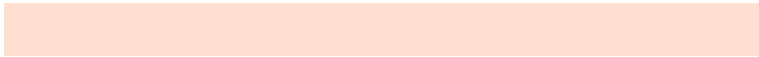
72, 54.537, 279.112

Sweetspot

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



72, 54.535, 49.116



91, 14.028, 50.686



66, 73.714, 339.214



47, 9.858, 50.523



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 54.535, 49.116



67, 68.501, 48.977



90, 62.091, 93.154



51, 4.289, 51.172



44, 76.112, 47.475



13, 28.521, 44.024

Inverse Universe

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



79, 36.255, 241.013



76, 41.234, 244.986



59, 68.657, 291.384



51, 4.075, 232.711



53, 39.655, 256.749



17, 17.301, 249.700

Previews

White Background



This preview shows how the CIELCh color 72, 54.537, 49.112 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 72, 54.537, 49.112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

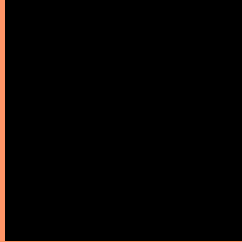
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 54.537, 49.112

Background



This preview shows how black text looks on a background with the CIELCh color 72, 54.537, 49.112.

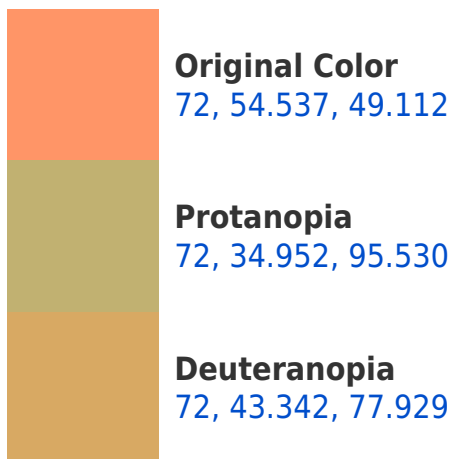


This preview shows how white text looks on a background with the CIELCh color 72, 54.537, 49.112.

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





Tritanopia
72, 44.824, 17.299

Trichromacy



Original Color
72, 54.537, 49.112

Protanomaly
72, 38.140, 73.854

Deuteranomaly
72, 45.946, 66.017

Tritanomaly
72, 46.447, 30.902

Monochromacy



Original Color
72, 54.537, 49.112

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 18.183, 48.911

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 54.537, 49.112 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(255, 149, 103)` looks like.

```
.text, #text, p{  
    color:rgb(255, 149, 103)  
}
```

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(255, 149, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 149, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 54.537, 49.112 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(255, 149, 103) }
```

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

```
.border{ border-color:rgb(255, 149, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 149, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 149, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 149, 103);  
box-shadow:4px 4px 4px 4px rgb(255, 149,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 54.537, 49.112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 149, 103) }
```

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

```
.background{ background-color: rgb(255,  
149, 103) }
```

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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