

Converting Colors

CIELCh(71, 51.990, 54.532)

Have a look what the booklet for
CIELCh(71, 51.990, 54.532) contains.

CIELCh(71, 51.846, 54.644)	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(71, 51.846, 54.644)

Conversions

Conversions Part 1

Format	Color
Hex	F49762
RGB	244, 151, 98
RGB Percent	96%, 59%, 38%
CMY	0.0436, 0.4083, 0.6161
CMYK	0.00, 0.38, 0.60, 0.04
HSL	22°, 87%, 67%
HSV	22°, 60%, 96%
XYZ	50.5122, 42.1875, 17.0102
YIQ	172.7650, 72.4410, 3.2330

Conversions

Conversions Part 2

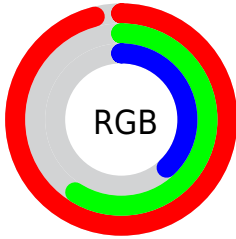
Format	Color
R_{YB}	244, 181, 98
Decimal	16029538
CIE Lab	71.00, 30.00, 42.28
CIE LCh	71, 51.846, 54.644
Yxy	42.1875, 0.4604, 0.3845
Android (android.graphics.Color)	4294219618 (0xFFFF49762)
YUV	172.7650, -36.8591, 62.4731
Hunter-Lab	64.9519, 25.1512, 29.9390

Details

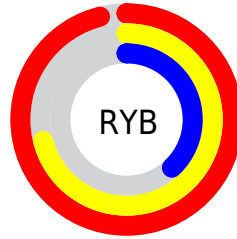
The CIELCh color **71, 51.846, 54.644** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **74, 36.696, 250.308**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 35.845, 73.560**, and **51, 51.783, 54.747** is the 20% darker color. If you saturate the color by 10%, you get **67, 62.272, 54.028**, and if you desaturate by 10%, it is **75, 41.769, 55.286**.

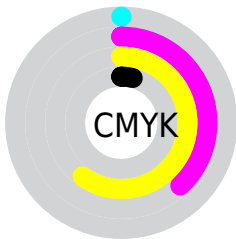
Distribution



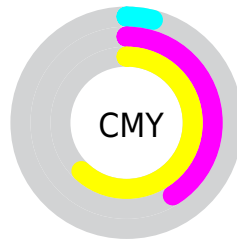
- Red (96%)
- Green (59%)
- Blue (38%)



- Red (96%)
- Yellow (71%)
- Blue (38%)



- Cyan (0%)
- Magenta (38%)
- Yellow (60%)
- Black (4%)



- Cyan (4%)
- Magenta (41%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 51.846, 54.644 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, 51.846, 54.644 by changing the saturation by 10% instead.

71, 51.846, 54.644

71, 51.846, 54.644

100, 51.846,
54.644

61, 51.846, 54.644

91, 51.846, 54.644

51, 51.846, 54.644

41, 51.846, 54.644

31, 51.846, 54.644

21, 51.846, 54.644

11, 51.846, 54.644

1, 51.846, 54.644

0, 51.846, 54.644

71, 51.846, 54.644

71, 51.846, 54.644

67, 62.272, 54.028

75, 41.769, 55.286

64, 72.587, 53.292

79, 32.235, 55.987

61, 81.805, 52.120

83, 23.300, 56.756

58, 88.749, 50.192

87, 14.959, 57.577

58, 88.844, 50.168

92, 7.173, 58.415

96, 0.107, 244.477

99, 3.843, 199.334

Harmonies

Complementary

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



71, 51.846, 54.644



74, 36.696, 250.308

Rectangle

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



71, 51.846, 54.644



71, 51.846, 104.644



71, 51.846, 234.644



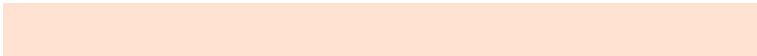
71, 51.846, 284.644

Sweetspot

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



71, 51.845, 54.648



92, 13.971, 57.729



63, 69.189, 341.804



48, 9.807, 57.484



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, 51.845, 54.648



69, 66.919, 53.876



88, 62.495, 96.417



49, 4.143, 58.445



45, 72.113, 50.797



12, 25.361, 48.072

Inverse Universe

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



74, 36.696, 250.308



73, 43.823, 254.698



55, 70.965, 293.854



49, 3.968, 240.416



48, 43.251, 266.951



14, 17.620, 258.906

Previews

White Background



This preview shows how the CIELCh color 71, 51.846, 54.644 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, 51.846, 54.644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

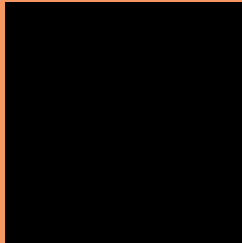
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 51.846, 54.644

Background



This preview shows how black text looks on a background with the CIELCh color 71, 51.846, 54.644.



This preview shows how white text looks on a background with the CIELCh color 71, 51.846, 54.644.

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
71, 42.026, 16.523

Trichromacy



Original Color
71, 51.846, 54.644

Protanomaly
71, 39.519, 77.541

Deuteranomaly
71, 45.763, 68.959

Tritanomaly
71, 42.597, 32.579

Monochromacy



Original Color
71, 51.846, 54.644

Achromatopsia
71, 0.009, 296.813

Achromatomaly
70, 17.401, 56.524

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 51.846, 54.644 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(244, 151, 98)` looks like.

```
.text, #text, p{  
    color:rgb(244, 151, 98)  
}
```

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(244, 151, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 151, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 51.846, 54.644 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(244, 151, 98) }
```

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

```
.border{ border-color:rgb(244, 151, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 151, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 151, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 151, 98);  
box-shadow:4px 4px 4px 4px rgb(244, 151,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 51.846, 54.644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 151, 98) }
```

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

```
.background{ background-color: rgb(244,  
151, 98) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor