

# Converting Colors

CIELCh(71, 54.602, 65.561)

Have a look what the booklet for  
CIELCh(71, 54.602, 65.561) contains.

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# Color

**CIELCh(71, 54.400, 65.293)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EB9C53
RGB	235, 156, 83
RGB Percent	92%, 61%, 33%
CMY	0.0774, 0.3873, 0.6737
CMYK	0.00, 0.34, 0.65, 0.08
HSL	29°, 79%, 62%
HSV	29°, 65%, 92%
XYZ	47.8431, 42.1875, 13.8485
YIQ	171.2990, 70.5170, -5.9550

# Conversions

## Conversions Part 2

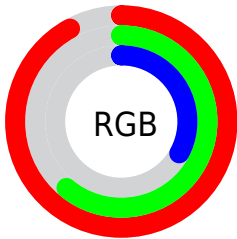
Format	Color
R <sub>Y</sub> B	235, 223, 83
Decimal	15440979
CIE Lab	71.00, 22.74, 49.42
CIE LCh	71, 54.400, 65.293
Yxy	42.1875, 0.4606, 0.4061
Android (android.graphics.Color)	4293631059 (0xFFEB9C53)
YUV	171.2990, -43.5314, 55.8658
Hunter-Lab	64.9519, 17.8161, 32.8250

# Details

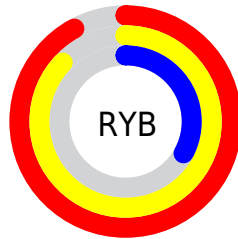
The CIELCh color **71, 54.400, 65.293** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **65, 43.918, 267.475**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **87, 43.697, 82.013**, and **51, 54.316, 64.862** is the 20% darker color. If you saturate the color by 10%, you get **68, 63.608, 63.902**, and if you desaturate by 10%, it is **74, 45.067, 66.570**.

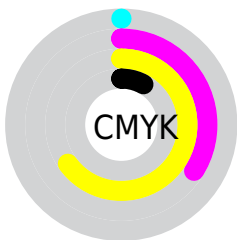
# Distribution



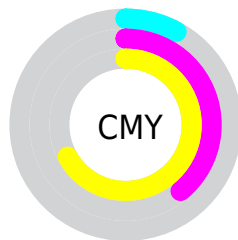
- Red (92%)
- Green (61%)
- Blue (33%)



- Red (92%)
- Yellow (87%)
- Blue (33%)



- Cyan (0%)
- Magenta (34%)
- Yellow (65%)
- Black (8%)



- Cyan (8%)
- Magenta (39%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 54.400, 65.293 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, 54.400, 65.293 by changing the saturation by 10% instead.



71, 54.400, 65.293

71, 54.400, 65.293

100, 54.400,  
65.293

61, 54.400, 65.293

91, 54.400, 65.293

51, 54.400, 65.293

41, 54.400, 65.293

31, 54.400, 65.293

21, 54.400, 65.293

11, 54.400, 65.293

1, 54.400, 65.293

0, 54.400, 65.293

71, 54.400, 65.293

71, 54.400, 65.293

68, 63.608, 63.902

74, 45.067, 66.570

65, 72.012, 62.201

77, 35.951, 67.803

63, 78.495, 59.851

81, 27.195, 69.027

61, 81.178, 58.364

84, 18.850, 70.247

88, 10.914, 71.451

91, 3.364, 72.569

95, 3.833, 253.996

98, 6.449, 203.387

99, 6.764, 199.075

# Harmonies

# Complementary

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



71, 54.400, 65.293



65, 43.918, 267.475

# Rectangle

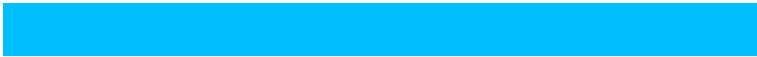
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71, 54.400, 65.293



71, 54.400, 115.293



71, 54.400, 245.293



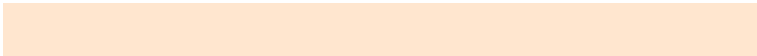
71, 54.400, 295.293

# Sweetspot

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



71, 54.399, 65.297



93, 15.306, 70.918



59, 66.832, 349.436



48, 10.611, 70.571



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, 54.399, 65.297



72, 71.078, 63.321



89, 71.058, 102.597



47, 4.174, 72.054



48, 66.454, 59.054



13, 22.190, 58.818





# Inverse Universe

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



65, 43.918, 267.475



64, 55.771, 272.909



45, 86.123, 299.651



47, 4.070, 254.527



40, 53.589, 281.986



10, 19.887, 273.633



# Previews

## White Background



This preview shows how the CIELCh color 71, 54.400, 65.293 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, 54.400, 65.293 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, 54.400, 65.293

## Background



This preview shows how black text looks on a background with the CIELCh color 71, 54.400, 65.293.



This preview shows how white text looks on a background with the CIELCh color 71, 54.400, 65.293.

# 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





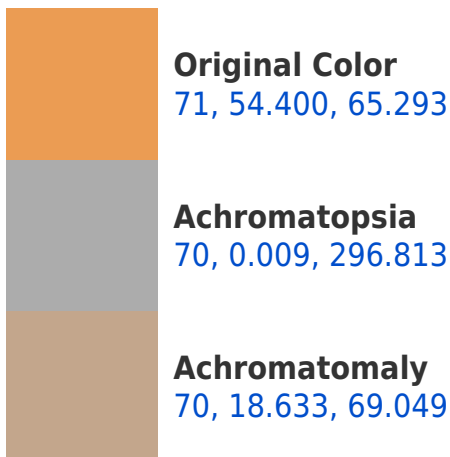
**Tritanopia**  
71, 37.032, 14.079



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 54.400, 65.293 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(235, 156, 83)` looks like.

```
.text, #text, p{  
    color:rgb(235, 156, 83)  
}
```

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(235, 156, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 156, 83) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 54.400, 65.293 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(235, 156, 83) }
```

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

```
.border{ border-color:rgb(235, 156, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 156, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 156, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 156, 83);  
box-shadow:4px 4px 4px 4px rgb(235, 156,  
83) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 54.400, 65.293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 156, 83) }
```

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

```
.background{ background-color: rgb(235,  
156, 83) }
```

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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