

Converting Colors

CIELCh(69, 63.229, 65.710)

Have a look what the booklet for
CIELCh(69, 63.229, 65.710) contains.

CIELCh(69, 63.286, 65.507)	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(69, 63.286, 65.507)

Conversions

Conversions Part 1

Format	Color
Hex	EC943D
RGB	236, 148, 61
RGB Percent	93%, 58%, 24%
CMY	0.0746, 0.4196, 0.7608
CMYK	0.00, 0.37, 0.74, 0.07
HSL	30°, 82%, 58%
HSV	30°, 74%, 93%
XYZ	46.0187, 39.3444, 9.5822
YIQ	164.3940, 80.3750, -8.4010

Conversions

Conversions Part 2

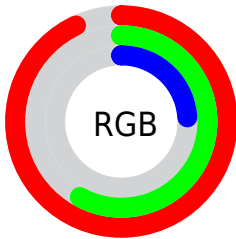
Format	Color
R _Y B	236, 234, 61
Decimal	15504445
CIE Lab	69.00, 26.24, 57.59
CIE LCh	69, 63.286, 65.507
Yxy	39.3444, 0.4847, 0.4144
Android (android.graphics.Color)	4293694525 (0xFFEC943D)
YUV	164.3940, -50.9732, 62.7985
Hunter-Lab	62.7251, 21.1888, 34.8501

Details

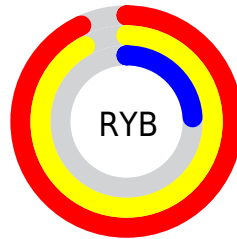
The CIELCh color **69, 63.286, 65.507** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **60, 51.384, 273.061**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 51.816, 80.168**, and **49, 63.036, 65.400** is the 20% darker color. If you saturate the color by 10%, you get **66, 71.579, 63.757**, and if you desaturate by 10%, it is **72, 54.165, 66.965**.

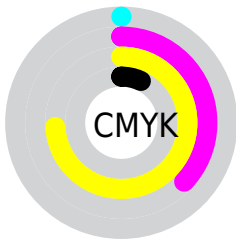
Distribution



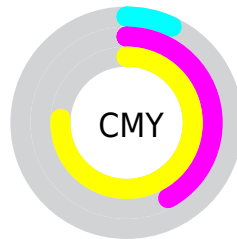
- Red (93%)
- Green (58%)
- Blue (24%)



- Red (93%)
- Yellow (92%)
- Blue (24%)



- Cyan (0%)
- Magenta (37%)
- Yellow (74%)
- Black (7%)



- Cyan (7%)
- Magenta (42%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 63.286, 65.507 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, 63.286, 65.507 by changing the saturation by 10% instead.

69, 63.286, 65.507

69, 63.286, 65.507

100, 63.286,
65.507

59, 63.286, 65.507

89, 63.286, 65.507

49, 63.286, 65.507

99, 63.286, 65.507

39, 63.286, 65.507

29, 63.286, 65.507

19, 63.286, 65.507

9, 63.286, 65.507

0, 63.286, 65.507

69, 63.286, 65.507

69, 63.286, 65.507

66, 71.579, 63.757

72, 54.165, 66.965

64, 77.959, 61.381

75, 44.890, 68.296

62, 80.749, 59.725

78, 35.800, 69.581

82, 27.041, 70.849

85, 18.666, 72.106

88, 10.679, 73.340

92, 3.057, 74.473

95, 4.228, 255.914

99, 6.446, 200.052

Harmonies

Complementary

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



69, 63.286, 65.507



60, 51.384, 273.061

Rectangle

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



69, 63.286, 65.507



69, 63.286, 115.507



69, 63.286, 245.507



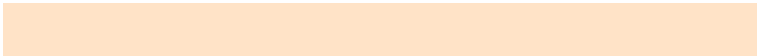
69, 63.286, 295.507

Sweetspot

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



69, 63.285, 65.510



92, 18.014, 72.362



55, 72.888, 352.612



48, 12.184, 72.023



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, 63.285, 65.510



70, 79.768, 62.620



90, 79.847, 102.789



47, 4.217, 73.900



48, 65.972, 60.420



13, 22.178, 60.631

Inverse Universe

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



60, 51.384, 273.061



59, 65.186, 279.694



39, 101.608, 302.365



47, 4.123, 256.408



39, 55.451, 283.720



9, 20.481, 275.521

Previews

White Background



This preview shows how the CIELCh color 69, 63.286, 65.507 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, 63.286, 65.507 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, 63.286, 65.507

Background



This preview shows how black text looks on a background with the CIELCh color 69, 63.286, 65.507.



This preview shows how white text looks on a background with the CIELCh color 69, 63.286, 65.507.

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, 63.286, 65.507

Protanopia

69, 53.718, 95.570

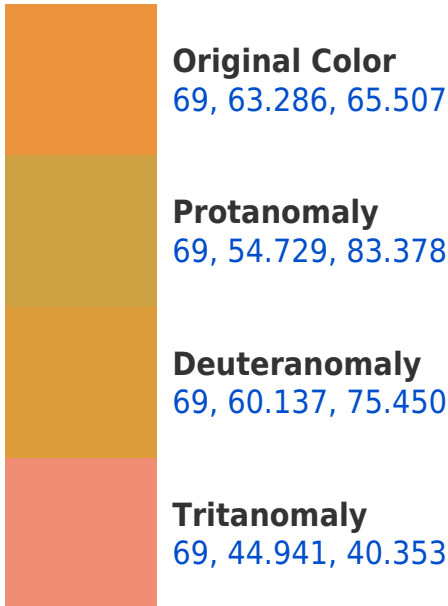
Deuteranopia

69, 58.982, 81.187



Tritanopia
69, 41.465, 16.441

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 63.286, 65.507 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(236, 148, 61)` looks like.

```
.text, #text, p{  
    color:rgb(236, 148, 61)  
}
```

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(236, 148, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 148, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 63.286, 65.507 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(236, 148, 61) }
```

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

```
.border{ border-color:rgb(236, 148, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 148, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 148, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 148, 61);  
box-shadow:4px 4px 4px 4px rgb(236, 148,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 63.286, 65.507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 148, 61) }
```

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

```
.background{ background-color: rgb(236,  
148, 61) }
```

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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