

Converting Colors

CIELCh(65, 70.517, 67.298)

Have a look what the booklet for
CIELCh(65, 70.517, 67.298) contains.

CIELCh(65, 70.391, 67.547)	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(65, 70.391, 67.547)

Conversions

Conversions Part 1

Format	Color
Hex	E2891E
RGB	226, 137, 30
RGB Percent	89%, 54%, 12%
CMY	0.1148, 0.4636, 0.8834
CMYK	0.00, 0.39, 0.87, 0.11
HSL	33°, 77%, 50%
HSV	33°, 87%, 89%
XYZ	40.4267, 34.0472, 5.6506
YIQ	151.4130, 87.3910, -14.4090

Conversions

Conversions Part 2

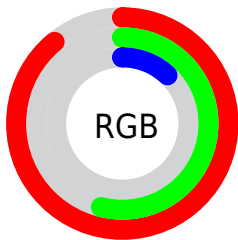
Format	Color
RYB	193, 226, 30
Decimal	14846238
CIELab	65.00, 26.88, 65.05
CIElCh	65, 70.391, 67.547
Yxy	34.0472, 0.5045, 0.4249
Android (android.graphics.Color)	4293036318 (0xFFE2891E)
YUV	151.4130, -59.8566, 65.4128
Hunter-Lab	58.3500, 21.5580, 35.1034

Details

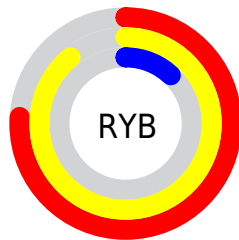
The CIELCh color **65, 70.391, 67.547** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **51, 63.056, 283.235**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 61.187, 77.906**, and **45, 60.478, 63.521** is the 20% darker color. If you saturate the color by 10%, you get **63, 75.293, 64.898**, and if you desaturate by 10%, it is **67, 63.291, 69.552**.

Distribution



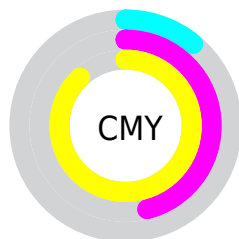
- Red (89%)
- Green (54%)
- Blue (12%)



- Red (76%)
- Yellow (89%)
- Blue (12%)



- Cyan (0%)
- Magenta (39%)
- Yellow (87%)
- Black (11%)



- Cyan (11%)
- Magenta (46%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 70.391, 67.547 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 65, 70.391, 67.547 by changing the saturation by 10% instead.

65, 70.391, 67.547

65, 70.391, 67.547

100, 70.391,
67.547

55, 70.391, 67.547

85, 70.391, 67.547

45, 70.391, 67.547

95, 70.391, 67.547

35, 70.391, 67.547

25, 70.391, 67.547

15, 70.391, 67.547

5, 70.391, 67.547

0, 70.391, 67.547

65, 70.391, 67.547

65, 70.391, 67.547

63, 75.293, 64.898

67, 63.291, 69.552

62, 76.601, 64.014

70, 54.998, 71.199

73, 46.269, 72.679

76, 37.525, 74.083

78, 28.972, 75.446

81, 20.697, 76.781

85, 12.729, 78.084

88, 5.064, 79.324

91, 2.316, 260.800

Harmonies

Complementary

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



65, 70.391, 67.547



51, 63.056, 283.235

Rectangle

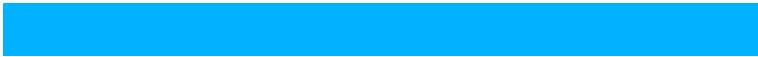
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65, 70.391, 67.547



65, 70.391, 117.547



65, 70.391, 247.547



65, 70.391, 297.547

Sweetspot

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



65, 70.389, 67.550



91, 22.110, 76.868



50, 74.550, 0.305



47, 15.091, 76.406



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 70.389, 67.550



69, 84.078, 63.744



87, 85.112, 104.993



46, 4.210, 79.013



49, 63.440, 64.671



12, 19.746, 65.461

Inverse Universe

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



51, 63.056, 283.235



51, 80.733, 289.172



31, 113.841, 305.260



45, 4.147, 261.565



36, 59.649, 288.115



7, 20.453, 279.011

Previews

White Background



This preview shows how the CIELCh color 65, 70.391, 67.547 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 65, 70.391, 67.547 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 65, 70.391, 67.547

Background



This preview shows how black text looks on a background with the CIELCh color 65, 70.391, 67.547.



This preview shows how white text looks on a background with the CIELCh color 65, 70.391, 67.547.

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

65, 70.391, 67.547

Protanopia

65, 61.870, 95.453

Deuteranopia

65, 66.768, 82.761



Tritanopia
65, 42.876, 17.089

Trichromacy



Original Color
65, 70.391, 67.547

Protanomaly
65, 62.769, 84.555

Deuteranomaly
65, 67.333, 76.977

Tritanomaly
65, 48.557, 44.643

Monochromacy



Original Color
65, 70.391, 67.547

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 26.026, 75.418

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 70.391, 67.547 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(226, 137, 30)` looks like.

```
.text, #text, p{  
    color:rgb(226, 137, 30)  
}
```

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(226, 137, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 137, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 70.391, 67.547 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(226, 137, 30) }
```

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

```
.border{ border-color:rgb(226, 137, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 137, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 137, 30); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 137, 30); box-shadow:4px 4px 4px 4px rgb(226, 137, 30) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 70.391, 67.547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 137, 30) }
```

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

```
.background{ background-color: rgb(226,  
137, 30) }
```

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