

Converting Colors

CIELCh(64, 61.131, 64.241)

Have a look what the booklet for
CIELCh(64, 61.131, 64.241) contains.

CIELCh(64, 61.222, 64.234)	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(64, 61.222, 64.234)

Conversions

Conversions Part 1

Format	Color
Hex	DD8736
RGB	221, 135, 54
RGB Percent	87%, 53%, 21%
CMY	0.1349, 0.4719, 0.7896
CMYK	0.00, 0.39, 0.76, 0.13
HSL	29°, 71%, 54%
HSV	29°, 76%, 87%
XYZ	38.9670, 32.8017, 7.7250
YIQ	151.4800, 77.2570, -6.9590

Conversions

Conversions Part 2

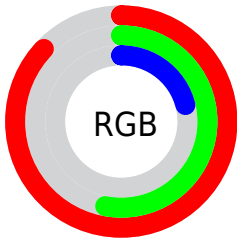
Format	Color
RYB	221, 211, 54
Decimal	14518070
CIELab	64.00, 26.61, 55.14
CIElCh	64, 61.222, 64.234
Yxy	32.8017, 0.4902, 0.4126
Android (android.graphics.Color)	4292708150 (0xFFDD8736)
YUV	151.4800, -48.0576, 60.9690
Hunter-Lab	57.2727, 21.2197, 32.0939

Details

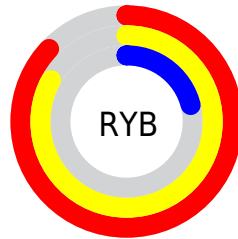
The CIELCh color **64, 61.222, 64.234** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle muted orange. A complement of this color would be **57, 48.637, 272.234**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 52.839, 73.412**, and **44, 59.356, 63.666** is the 20% darker color. If you saturate the color by 10%, you get **61, 69.046, 62.485**, and if you desaturate by 10%, it is **67, 52.550, 65.663**.

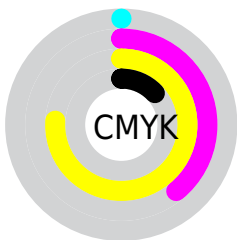
Distribution



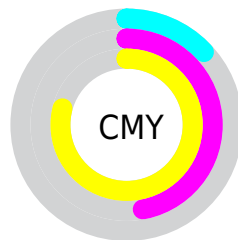
- Red (87%)
- Green (53%)
- Blue (21%)



- Red (87%)
- Yellow (83%)
- Blue (21%)



- Cyan (0%)
- Magenta (39%)
- Yellow (76%)
- Black (13%)



- Cyan (13%)
- Magenta (47%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 61.222, 64.234 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 64, 61.222, 64.234 by changing the saturation by 10% instead.

64, 61.222, 64.234

64, 61.222, 64.234

100, 61.222,
64.234

54, 61.222, 64.234

84, 61.222, 64.234

44, 61.222, 64.234

94, 61.222, 64.234

34, 61.222, 64.234

24, 61.222, 64.234

14, 61.222, 64.234

4, 61.222, 64.234

0, 61.222, 64.234

64, 61.222, 64.234

64, 61.222, 64.234

61, 69.046, 62.485

67, 52.550, 65.663

59, 74.960, 60.062

70, 43.711, 66.956

58, 77.086, 58.917

73, 35.045, 68.204

76, 26.704, 69.438

79, 18.741, 70.665

83, 11.159, 71.877

86, 3.940, 73.022

89, 2.946, 254.455

93, 9.534, 255.520

Harmonies

Complementary

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



64, 61.222, 64.234



57, 48.637, 272.234

Rectangle

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



64, 61.222, 64.234



64, 61.222, 114.234



64, 61.222, 244.234



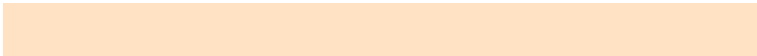
64, 61.222, 294.234

Sweetspot

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



64, 61.221, 64.237



91, 18.764, 70.969



52, 69.922, 352.913



47, 13.107, 70.524



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 61.221, 64.237



69, 81.374, 61.123



85, 76.702, 102.715



44, 3.960, 72.611



46, 64.173, 59.584



10, 18.356, 58.079

Inverse Universe

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



57, 48.637, 272.234



59, 65.119, 279.362



36, 98.162, 302.631



44, 3.865, 255.078



38, 52.267, 282.349



8, 17.701, 272.259

Previews

White Background



This preview shows how the CIELCh color 64, 61.222, 64.234 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 64, 61.222, 64.234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

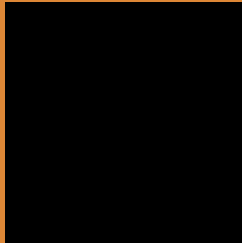
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 61.222, 64.234

Background



This preview shows how black text looks on a background with the CIELCh color 64, 61.222, 64.234.



This preview shows how white text looks on a background with the CIELCh color 64, 61.222, 64.234.

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

64, 61.222, 64.234

Protanopia

64, 51.652, 95.447

Deuteranopia

64, 56.812, 81.722



Tritanopia
64, 40.897, 16.506

Trichromacy



Original Color
64, 61.222, 64.234

Protanomaly
64, 52.798, 82.587

Deuteranomaly
64, 57.494, 74.947

Tritanomaly
64, 44.089, 39.714

Monochromacy



Original Color
64, 61.222, 64.234

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 21.109, 69.495

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 61.222, 64.234 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(221, 135, 54)` looks like.

```
.text, #text, p{  
    color:rgb(221, 135, 54)  
}
```

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(221, 135, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 135, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 61.222, 64.234 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(221, 135, 54) }
```

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

```
.border{ border-color:rgb(221, 135, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 135, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 135, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 135, 54);  
box-shadow:4px 4px 4px 4px rgb(221, 135,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 61.222, 64.234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 135, 54) }
```

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

```
.background{ background-color: rgb(221,  
135, 54) }
```

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