

Converting Colors

CIELCh(64, 62.321, 64.729)

Have a look what the booklet for
CIELCh(64, 62.321, 64.729) contains.

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Color

CIELCh(64, 62.307, 64.838)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | DD8733 |
| RGB | 221, 135, 51 |
| RGB Percent | 87%, 53%, 20% |
| CMY | 0.1347, 0.4717, 0.8011 |
| CMYK | 0.00, 0.39, 0.77, 0.13 |
| HSL | 30°, 71%, 53% |
| HSV | 30°, 77%, 87% |
| XYZ | 38.9288, 32.8017, 7.3778 |
| YIQ | 151.1380, 78.2200, -7.8920 |

Conversions

Conversions Part 2

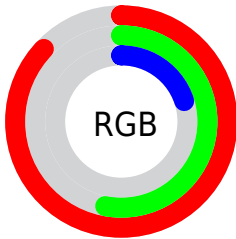
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 221, 217, 51 |
| Decimal | 14518067 |
| CIELab | 64.00, 26.49, 56.39 |
| CIElCh | 64, 62.307, 64.838 |
| Yxy | 32.8017, 0.4921, 0.4146 |
| Android (android.graphics.Color) | 4292708147 (0xFFDD8733) |
| YUV | 151.1380, -49.3680, 61.2690 |
| Hunter-Lab | 57.2727, 21.1007, 32.4533 |

Details

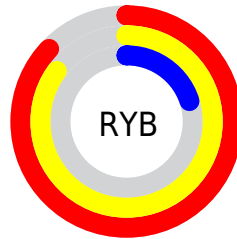
The CIELCh color **64, 62.307, 64.838** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle muted orange. A complement of this color would be **56, 50.208, 273.804**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 54.133, 74.053**, and **44, 59.356, 63.666** is the 20% darker color. If you saturate the color by 10%, you get **61, 69.841, 62.984**, and if you desaturate by 10%, it is **67, 53.771, 66.334**.

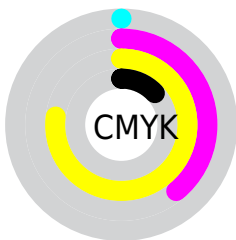
Distribution



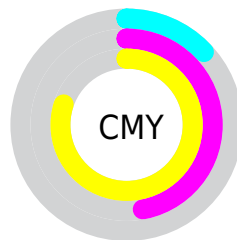
- Red (87%)
- Green (53%)
- Blue (20%)



- Red (87%)
- Yellow (85%)
- Blue (20%)



- Cyan (0%)
- Magenta (39%)
- Yellow (77%)
- Black (13%)



- Cyan (13%)
- Magenta (47%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 62.307, 64.838 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, 62.307, 64.838 by changing the saturation by 10% instead.

64, 62.307, 64.838

64, 62.307, 64.838

100, 62.307,
64.838

54, 62.307, 64.838

84, 62.307, 64.838

44, 62.307, 64.838

94, 62.307, 64.838

34, 62.307, 64.838

24, 62.307, 64.838

14, 62.307, 64.838

4, 62.307, 64.838

0, 62.307, 64.838

64, 62.307, 64.838

64, 62.307, 64.838

61, 69.841, 62.984

67, 53.771, 66.334

59, 75.341, 60.432

70, 44.972, 67.672

58, 76.792, 59.651

73, 36.292, 68.951

76, 27.904, 70.210

79, 19.876, 71.459

82, 12.220, 72.692

86, 4.919, 73.872

89, 2.054, 255.354

92, 8.730, 256.379

Harmonies

Complementary

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



64, 62.307, 64.838



56, 50.208, 273.804

Rectangle

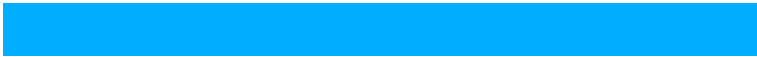
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 62.307, 64.838



64, 62.307, 114.838



64, 62.307, 244.838



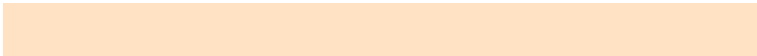
64, 62.307, 294.838

Sweetspot

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



64, 62.306, 64.841



91, 18.850, 71.934



51, 70.608, 353.253



47, 13.163, 71.483



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, 62.306, 64.841



69, 81.750, 61.623



85, 77.573, 102.637



44, 3.982, 73.599



46, 63.927, 60.317



10, 18.351, 59.128

Inverse Universe

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



56, 50.208, 273.804



58, 66.978, 280.787



35, 99.890, 302.915



44, 3.892, 256.084



38, 53.229, 283.276



7, 17.957, 273.217

Previews

White Background



This preview shows how the CIELCh color 64, 62.307, 64.838 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, 62.307, 64.838 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, 62.307, 64.838

Background



This preview shows how black text looks on a background with the CIELCh color 64, 62.307, 64.838.



This preview shows how white text looks on a background with the CIELCh color 64, 62.307, 64.838.

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, 62.307, 64.838

Protanopia

64, 52.932, 95.511

Deuteranopia

64, 57.940, 82.013



Tritanopia
64, 40.946, 17.270

Trichromacy



Original Color
64, 62.307, 64.838

Protanomaly
64, 54.037, 82.925

Deuteranomaly
64, 58.623, 75.373

Tritanomaly
64, 44.647, 40.906

Monochromacy



Original Color
64, 62.307, 64.838

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 21.563, 70.310

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 62.307, 64.838 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(221, 135, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 135, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 62.307, 64.838 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, 51) }
```

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

```
.border{ border-color:rgb(221, 135, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 135, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 135, 51);  
box-shadow:4px 4px 4px 4px rgb(221, 135,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 62.307, 64.838 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, 51) }
```

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

```
.background{ background-color: rgb(221,  
135, 51) }
```

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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