

Converting Colors

CIELCh(64, 56.561, 60.297)

Have a look what the booklet for
CIELCh(64, 56.561, 60.297) contains.

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Color

CIELCh(64, 56.349, 60.488)

Conversions

Conversions Part 1

Format	Color
Hex	DD8643
RGB	221, 134, 67
RGB Percent	87%, 53%, 26%
CMY	0.1336, 0.4747, 0.7375
CMYK	0.00, 0.39, 0.70, 0.13
HSL	26°, 69%, 56%
HSV	26°, 70%, 87%
XYZ	39.3284, 32.8017, 9.5604
YIQ	152.3750, 73.3590, -2.3930

Conversions

Conversions Part 2

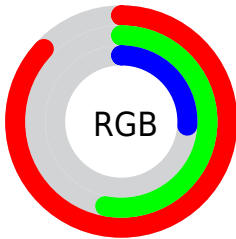
Format	Color
RYB	221, 186, 67
Decimal	14517827
CIELab	64.00, 27.76, 49.04
CIELCh	64, 56.349, 60.488
Yxy	32.8017, 0.4814, 0.4015
Android (android.graphics.Color)	4292707907 (0xFFDD8643)
YUV	152.3750, -42.0899, 60.1841
Hunter-Lab	57.2727, 22.3461, 30.1938

Details

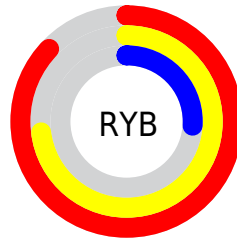
The CIELCh color **64, 56.349, 60.488** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **61, 41.870, 263.738**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 47.562, 69.670**, and **44, 56.575, 60.210** is the 20% darker color. If you saturate the color by 10%, you get **61, 65.252, 59.232**, and if you desaturate by 10%, it is **67, 47.202, 61.584**.

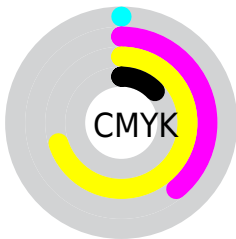
Distribution



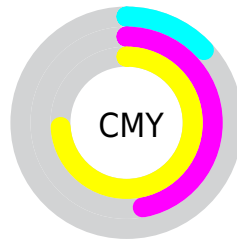
- Red (87%)
- Green (53%)
- Blue (26%)



- Red (87%)
- Yellow (73%)
- Blue (26%)



- Cyan (0%)
- Magenta (39%)
- Yellow (70%)
- Black (13%)



- Cyan (13%)
- Magenta (47%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 56.349, 60.488 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, 56.349, 60.488 by changing the saturation by 10% instead.

64, 56.349, 60.488

64, 56.349, 60.488

100, 56.349,
60.488

54, 56.349, 60.488

84, 56.349, 60.488

44, 56.349, 60.488

94, 56.349, 60.488

34, 56.349, 60.488

24, 56.349, 60.488

14, 56.349, 60.488

4, 56.349, 60.488

0, 56.349, 60.488

64, 56.349, 60.488

64, 56.349, 60.488

61, 65.252, 59.232

67, 47.202, 61.584

58, 73.063, 57.532

70, 38.248, 62.636

56, 78.932, 55.160

74, 29.675, 63.696

56, 79.108, 55.095

77, 21.549, 64.775

81, 13.878, 65.866

84, 6.637, 66.941

88, 0.209, 250.278

92, 6.699, 249.282

95, 9.552, 227.026

Harmonies

Complementary

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



64, 56.349, 60.488



61, 41.870, 263.738

Rectangle

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



64, 56.349, 60.488



64, 56.349, 110.488



64, 56.349, 240.488



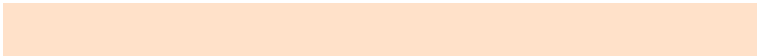
64, 56.349, 290.488

Sweetspot

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



64, 56.348, 60.491



91, 16.692, 65.705



54, 68.154, 348.180



48, 11.391, 65.401



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, 56.348, 60.491



68, 77.283, 58.466



83, 69.828, 100.407



44, 3.859, 66.969



44, 65.710, 55.757



10, 18.497, 52.379

Inverse Universe

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



61, 41.870, 263.738



65, 55.165, 270.157



41, 85.625, 299.667



44, 3.738, 249.286



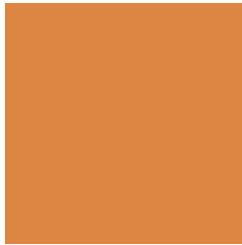
41, 47.204, 276.678



8, 16.333, 266.218

Previews

White Background



This preview shows how the CIELCh color 64, 56.349, 60.488 looks on a white background.

Color Contrast Check

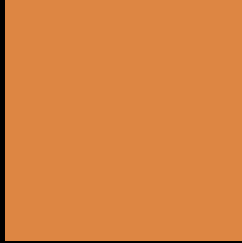
Large Text (above 18pt) WCAG AA × Fail

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, 56.349, 60.488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

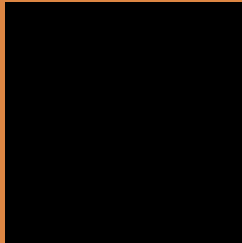
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 56.349, 60.488

Background



This preview shows how black text looks on a background with the CIELCh color 64, 56.349, 60.488.



This preview shows how white text looks on a background with the CIELCh color 64, 56.349, 60.488.

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, 56.349, 60.488

Protanopia

64, 44.619, 96.066

Deuteranopia

64, 50.648, 80.881



Tritanopia
64, 40.897, 16.506

Trichromacy



Original Color
64, 56.349, 60.488

Protanomaly
64, 46.437, 81.040

Deuteranomaly
64, 51.983, 73.055

Tritanomaly
64, 43.215, 36.489

Monochromacy



Original Color
64, 56.349, 60.488

Achromatopsia
63, 0.008, 296.813

Achromatomaly
62, 19.225, 63.900

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 56.349, 60.488 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, 134, 67)` looks like.

```
.text, #text, p{  
    color:rgb(221, 134, 67)  
}
```

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, 134, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 134, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 56.349, 60.488 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, 134, 67) }
```

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

```
.border{ border-color:rgb(221, 134, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 134, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 134, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 134, 67);  
box-shadow:4px 4px 4px 4px rgb(221, 134,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 56.349, 60.488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 134, 67) }
```

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

```
.background{ background-color: rgb(221,  
134, 67) }
```

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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