

Converting Colors

CIELCh(64, 42.903, 64.460)

Have a look what the booklet for
CIELCh(64, 42.903, 64.460) contains.

CIELCh(64, 43.020, 64.437)	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, 43.020, 64.437)

Conversions

Conversions Part 1

Format	Color
Hex	CD8D56
RGB	205, 141, 86
RGB Percent	80%, 55%, 34%
CMY	0.1951, 0.4462, 0.6619
CMYK	0.00, 0.31, 0.58, 0.20
HSL	28°, 54%, 57%
HSV	28°, 58%, 80%
XYZ	36.4880, 32.8017, 13.2551
YIQ	153.8660, 55.7990, -3.5370

Conversions

Conversions Part 2

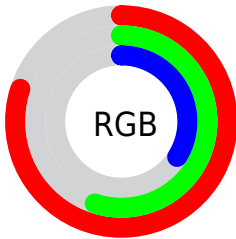
Format	Color
R_{YB}	205, 188, 86
Decimal	13471062
CIE _{Lab}	64.00, 18.56, 38.81
CIE _{LCh}	64, 43.020, 64.437
Yxy	32.8017, 0.4420, 0.3974
Android (android.graphics.Color)	4291661142 (0xFFCD8D56)
YUV	153.8660, -33.4579, 44.8445
Hunter-Lab	57.2727, 13.4937, 26.3690

Details

The CIELCh color **64, 43.020, 64.437** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **60, 34.750, 262.889**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 40.098, 68.717**, and **44, 42.980, 64.878** is the 20% darker color. If you saturate the color by 10%, you get **61, 51.475, 63.233**, and if you desaturate by 10%, it is **67, 34.732, 65.605**.

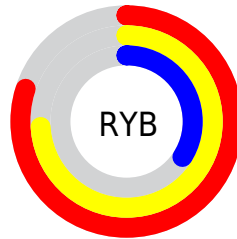
Distribution



Red (80%)

Green (55%)

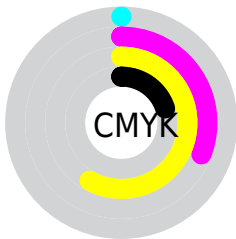
Blue (34%)



Red (80%)

Yellow (74%)

Blue (34%)

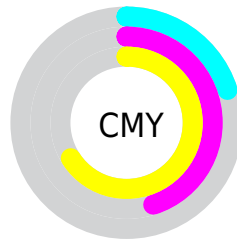


Cyan (0%)

Magenta (31%)

Yellow (58%)

Black (20%)



Cyan (20%)

Magenta (45%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 43.020, 64.437 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, 43.020, 64.437 by changing the saturation by 10% instead.

■ 64, 43.020, 64.437

■ 64, 43.020, 64.437

■ 100, 43.020,
64.437

■ 54, 43.020, 64.437

■ 84, 43.020, 64.437

■ 44, 43.020, 64.437

■ 94, 43.020, 64.437

■ 34, 43.020, 64.437

■ 24, 43.020, 64.437

■ 14, 43.020, 64.437

■ 4, 43.020, 64.437

■ 0, 43.020, 64.437

■ 64, 43.020, 64.437

■ 64, 43.020, 64.437

■ 61, 51.475, 63.233

■ 67, 34.732, 65.605

58, 59.741, 61.877

70, 26.773, 66.763

56, 67.109, 60.147

73, 19.198, 67.926

54, 72.671, 57.745

77, 12.013, 69.086

53, 73.740, 57.292

80, 5.198, 70.211

83, 1.277, 251.761

87, 7.447, 252.632

90, 13.345,
253.712

93, 13.668,
231.974

Harmonies

Complementary

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



64, 43.020, 64.437



60, 34.750, 262.889

Rectangle

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



64, 43.020, 64.437



64, 43.020, 114.437



64, 43.020, 244.437



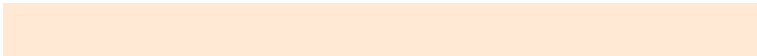
64, 43.020, 294.437

Sweetspot

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



64, 43.019, 64.441



93, 13.504, 69.177



54, 55.465, 347.173



49, 9.082, 68.942



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, 43.019, 64.441



74, 63.485, 62.864



79, 57.380, 102.348



41, 3.682, 70.060



43, 62.665, 57.916



8, 14.401, 53.127

Inverse Universe

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



60, 34.750, 262.889



68, 49.082, 267.471



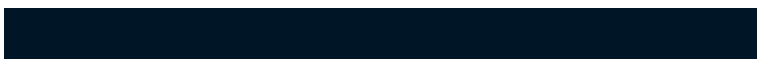
44, 67.096, 297.394



41, 3.582, 252.449



38, 48.088, 279.679



6, 14.443, 267.525

Previews

White Background



This preview shows how the CIELCh color 64, 43.020, 64.437 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, 43.020, 64.437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

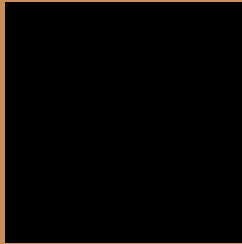
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 43.020, 64.437

Background



This preview shows how black text looks on a background with the CIELCh color 64, 43.020, 64.437.



This preview shows how white text looks on a background with the CIELCh color 64, 43.020, 64.437.

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, 43.020, 64.437

Protanopia

64, 35.984, 96.425

Deuteranopia

64, 39.898, 77.990



Tritanopia
64, 31.192, 12.751

Trichromacy



Original Color
64, 43.020, 64.437

Protanomaly
64, 37.137, 83.779

Deuteranomaly
64, 41.114, 73.097

Tritanomaly
64, 31.589, 36.245

Monochromacy



Original Color
64, 43.020, 64.437

Achromatopsia
64, 0.008, 296.813

Achromatomaly
63, 15.014, 67.427

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 43.020, 64.437 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(205, 141, 86)` looks like.

```
.text, #text, p{  
    color:rgb(205, 141, 86)  
}
```

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(205, 141, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 141, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 43.020, 64.437 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(205, 141, 86) }
```

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

```
.border{ border-color:rgb(205, 141, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 141, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 141, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 141, 86);  
box-shadow:4px 4px 4px 4px rgb(205, 141,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 43.020, 64.437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 141, 86) }
```

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

```
.background{ background-color: rgb(205,  
141, 86) }
```

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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