

Converting Colors

CIELCh(57, 42.609, 61.655)

Have a look what the booklet for
CIELCh(57, 42.609, 61.655) contains.

CIELCh(57, 42.582, 61.431)	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(57, 42.582, 61.431)

Conversions

Conversions Part 1

Format	Color
Hex	BB7A48
RGB	187, 122, 72
RGB Percent	73%, 48%, 28%
CMY	0.2670, 0.5218, 0.7179
CMYK	0.00, 0.35, 0.62, 0.27
HSL	26°, 46%, 51%
HSV	26°, 62%, 73%
XYZ	28.5914, 24.9227, 9.4228
YIQ	135.7350, 54.7900, -1.7700

Conversions

Conversions Part 2

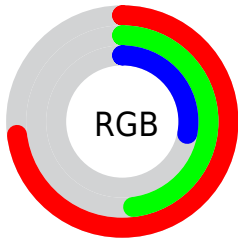
Format	Color
R_{YB}	187, 160, 72
Decimal	12286536
CIE Lab	57.00, 20.36, 37.40
CIE LCh	57, 42.582, 61.431
Yxy	24.9227, 0.4543, 0.3960
Android (android.graphics.Color)	4290476616 (0xFFBB7A48)
YUV	135.7350, -31.4214, 44.9594
Hunter-Lab	49.9226, 14.8649, 23.7549

Details

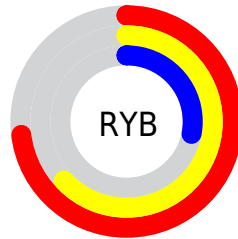
The CIELCh color **57, 42.582, 61.431** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **55, 32.817, 260.491**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 42.433, 61.749**, and **37, 42.654, 61.451** is the 20% darker color. If you saturate the color by 10%, you get **54, 50.567, 60.346**, and if you desaturate by 10%, it is **60, 34.732, 62.476**.

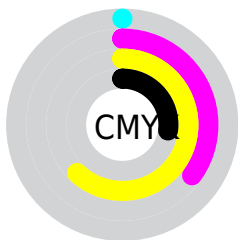
Distribution



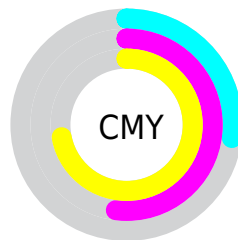
- Red (73%)
- Green (48%)
- Blue (28%)



- Red (73%)
- Yellow (63%)
- Blue (28%)



- Cyan (0%)
- Magenta (35%)
- Yellow (62%)
- Black (27%)



- Cyan (27%)
- Magenta (52%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 42.582, 61.431 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 57, 42.582, 61.431 by changing the saturation by 10% instead.

■ 57, 42.582, 61.431

■ 57, 42.582, 61.431

■ 100, 42.582,
61.431

■ 47, 42.582, 61.431

■ 77, 42.582, 61.431

■ 37, 42.582, 61.431

■ 87, 42.582, 61.431

■ 27, 42.582, 61.431

■ 97, 42.582, 61.431

■ 17, 42.582, 61.431

■ 7, 42.582, 61.431

■ 0, 42.582, 61.431

■ 57, 42.582, 61.431

■ 57, 42.582, 61.431

■ 54, 50.567, 60.346

■ 60, 34.732, 62.476

■ 52, 58.288, 59.073

■ 63, 27.199, 63.521

49, 64.975, 57.335

66, 20.049, 64.584

48, 69.593, 55.516

69, 13.293, 65.662

72, 6.913, 66.732

75, 0.880, 67.435

79, 4.839, 249.056

82, 10.281,
250.080

85, 15.476,
251.109

Harmonies

Complementary

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



57, 42.582, 61.431



55, 32.817, 260.491

Rectangle

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



57, 42.582, 61.431



57, 42.582, 111.431



57, 42.582, 241.431



57, 42.582, 291.431

Sweetspot

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



57, 42.581, 61.435



88, 13.601, 66.010



48, 54.477, 346.653



46, 9.609, 65.694



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



57, 42.581, 61.435



68, 64.959, 59.909



72, 55.236, 101.188



38, 3.407, 66.955



40, 61.265, 56.032



5, 10.036, 52.583

Inverse Universe

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



55, 32.817, 260.491



65, 47.452, 265.587



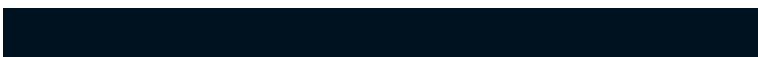
39, 65.075, 297.503



38, 3.302, 249.233



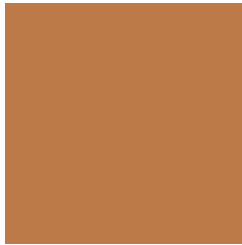
37, 43.791, 276.257



5, 10.824, 262.459

Previews

White Background



This preview shows how the CIELCh color 57, 42.582, 61.431 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 42.582, 61.431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

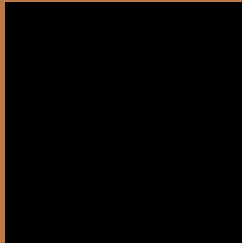
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 42.582, 61.431

Background



This preview shows how black text looks on a background with the CIELCh color 57, 42.582, 61.431.



This preview shows how white text looks on a background with the CIELCh color 57, 42.582, 61.431.

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

57, 42.582, 61.431

Protanopia

57, 34.054, 95.416

Deuteranopia

57, 38.831, 79.024



Tritanopia
57, 31.555, 15.130

Trichromacy



Original Color
57, 42.582, 61.431

Protanomaly
57, 35.494, 81.798

Deuteranomaly
57, 39.729, 72.096

Tritanomaly
57, 32.860, 35.460

Monochromacy



Original Color
57, 42.582, 61.431

Achromatopsia
57, 0.007, 296.813

Achromatomaly
56, 14.566, 64.406

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 42.582, 61.431 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(187, 122, 72)` looks like.

```
.text, #text, p{  
    color:rgb(187, 122, 72)  
}
```

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(187, 122, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 122, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 42.582, 61.431 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(187, 122, 72) }
```

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

```
.border{ border-color:rgb(187, 122, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 122, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 122, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 122, 72);  
box-shadow:4px 4px 4px 4px rgb(187, 122,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 42.582, 61.431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 122, 72) }
```

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

```
.background{ background-color: rgb(187,  
122, 72) }
```

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