

Converting Colors

CIELCh(57, 42.221, 77.844)

Have a look what the booklet for
CIELCh(57, 42.221, 77.844) contains.

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Color

CIELCh(57, 42.198, 77.933)

Conversions

Conversions Part 1

Format	Color
Hex	AB8240
RGB	171, 130, 64
RGB Percent	67%, 51%, 25%
CMY	0.3275, 0.4920, 0.7507
CMYK	0.00, 0.24, 0.63, 0.33
HSL	37°, 46%, 46%
HSV	37°, 63%, 67%
XYZ	25.7370, 24.9227, 8.2400
YIQ	134.7350, 45.6220, -11.8340

Conversions

Conversions Part 2

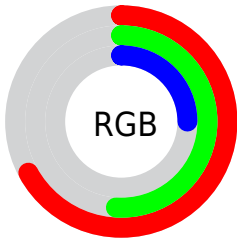
Format	Color
R _Y B	130, 171, 64
Decimal	11240000
CIE Lab	57.00, 8.82, 41.27
CIE LCh	57, 42.198, 77.933
Yxy	24.9227, 0.4370, 0.4231
Android (android.graphics.Color)	4289430080 (0xFFAB8240)
YUV	134.7350, -34.8724, 31.8044
Hunter-Lab	49.9226, 4.6590, 25.1597

Details

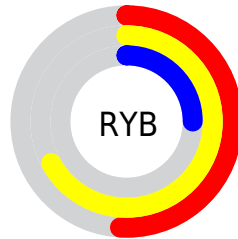
The CIELCh color **57, 42.198, 77.933** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **45, 40.233, 279.428**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 42.014, 78.633**, and **37, 41.978, 78.835** is the 20% darker color. If you saturate the color by 10%, you get **55, 48.808, 76.354**, and if you desaturate by 10%, it is **59, 35.281, 79.409**.

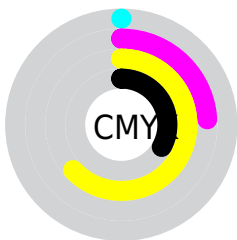
Distribution



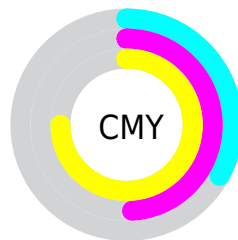
- Red (67%)
- Green (51%)
- Blue (25%)



- Red (51%)
- Yellow (67%)
- Blue (25%)



- Cyan (0%)
- Magenta (24%)
- Yellow (63%)
- Black (33%)



- Cyan (33%)
- Magenta (49%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 42.198, 77.933 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, 42.198, 77.933 by changing the saturation by 10% instead.

■ 57, 42.198, 77.933

■ 57, 42.198, 77.933

■ 100, 42.198,
77.933

■ 47, 42.198, 77.933

■ 77, 42.198, 77.933

■ 37, 42.198, 77.933

■ 87, 42.198, 77.933

■ 27, 42.198, 77.933

■ 97, 42.198, 77.933

■ 17, 42.198, 77.933

■ 7, 42.198, 77.933

■ 0, 42.198, 77.933

■ 57, 42.198, 77.933

■ 57, 42.198, 77.933

■ 55, 48.808, 76.354

■ 59, 35.281, 79.409

■ 53, 54.644, 74.558

■ 61, 28.319, 80.819

■ 52, 59.018, 72.360

■ 63, 21.447, 82.186

■ 50, 61.399, 70.645

■ 65, 14.728, 83.516

■ 67, 8.186, 84.799

■ 70, 1.825, 85.949

■ 72, 4.363, 267.357

■ 74, 10.389,
268.489

■ 76, 16.266,
269.595

Harmonies

Complementary

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



57, 42.198, 77.933



45, 40.233, 279.428

Rectangle

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



57, 42.198, 77.933



57, 42.198, 127.933



57, 42.198, 257.933



57, 42.198, 307.933

Sweetspot

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



57, 42.198, 77.937



83, 14.968, 83.984



43, 48.193, 358.030



44, 10.426, 83.622



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



57, 42.198, 77.937



69, 62.414, 75.600



67, 55.658, 109.371



36, 3.596, 85.247



44, 55.738, 71.022



4, 6.921, 77.081

Inverse Universe

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



45, 40.233, 279.428



51, 60.482, 284.369



34, 66.679, 302.038



34, 3.574, 267.708



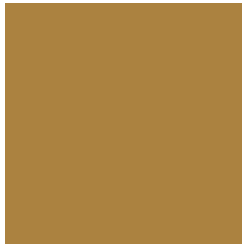
28, 59.132, 292.535



2, 8.104, 272.413

Previews

White Background



This preview shows how the CIELCh color 57, 42.198, 77.933 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 CIE LCh color 57, 42.198, 77.933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

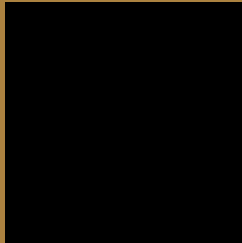
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 42.198, 77.933

Background



This preview shows how black text looks on a background with the CIELCh color 57, 42.198, 77.933.



This preview shows how white text looks on a background with the CIELCh color 57, 42.198, 77.933.

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, 41.957, 78.478

Protanopia

57, 39.745, 95.467

Deuteranopia

57, 41.957, 79.808



Tritanopia
57, 23.065, 9.451

Trichromacy



Original Color
57, 41.957, 78.478

Protanomaly
57, 40.075, 88.714

Deuteranomaly
57, 42.187, 79.253

Tritanomaly
57, 24.752, 46.850

Monochromacy



Original Color
57, 41.957, 78.478

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 15.121, 83.466

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 42.198, 77.933 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(171, 130, 64)` looks like.

```
.text, #text, p{  
    color:rgb(171, 130, 64)  
}
```

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(171, 130, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 130, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 42.198, 77.933 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(171, 130, 64) }
```

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

```
.border{ border-color:rgb(171, 130, 64) }
```

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

Here you see how a box with a 4 pixel rgb(171, 130, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 130, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 130, 64);  
box-shadow:4px 4px 4px 4px rgb(171, 130,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 42.198, 77.933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 130, 64) }
```

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

```
.background{ background-color: rgb(171,  
130, 64) }
```

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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