

Converting Colors

CIELCh(57, 47.822, 80.914)

Have a look what the booklet for
CIELCh(57, 47.822, 80.914) contains.

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Color

CIELCh(57, 47.822, 80.914)

Conversions

Conversions Part 1

Format	Color
Hex	AB8233
RGB	171, 130, 51
RGB Percent	67%, 51%, 20%
CMY	0.3287, 0.4896, 0.7994
CMYK	0.00, 0.24, 0.70, 0.33
HSL	39°, 54%, 44%
HSV	39°, 70%, 67%
XYZ	25.4351, 24.9227, 6.6192
YIQ	133.2530, 49.7950, -15.8770

Conversions

Conversions Part 2

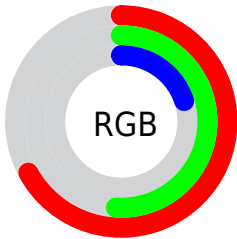
Format	Color
R _Y B	113, 171, 51
Decimal	11239987
CIE Lab	57.00, 7.55, 47.22
CIE LCh	57, 47.822, 80.914
Yxy	24.9227, 0.4464, 0.4374
Android (android.graphics.Color)	4289430067 (0xFFAB8233)
YUV	133.2530, -40.5507, 33.1041
Hunter-Lab	49.9226, 3.5795, 27.0847

Details

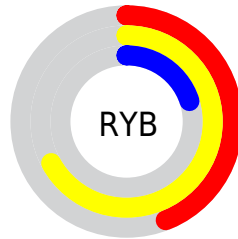
The CIELCh color **57, 47.822, 80.914** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **40, 48.338, 285.383**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 47.572, 81.214**, and **37, 46.162, 80.323** is the 20% darker color. If you saturate the color by 10%, you get **55, 53.699, 79.239**, and if you desaturate by 10%, it is **59, 41.202, 82.441**.

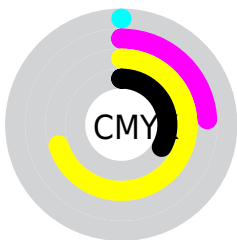
Distribution



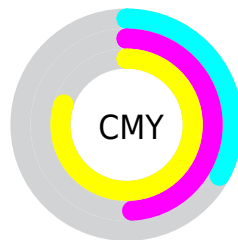
- Red (67%)
- Green (51%)
- Blue (20%)



- Red (44%)
- Yellow (67%)
- Blue (20%)



- Cyan (0%)
- Magenta (24%)
- Yellow (70%)
- Black (33%)



- Cyan (33%)
- Magenta (49%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 47.822, 80.914 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, 47.822, 80.914 by changing the saturation by 10% instead.

■ 57, 47.822, 80.914

■ 57, 47.822, 80.914

■ 100, 47.822,
80.914

■ 47, 47.822, 80.914

■ 77, 47.822, 80.914

■ 37, 47.822, 80.914

■ 87, 47.822, 80.914

■ 27, 47.822, 80.914

■ 97, 47.822, 80.914

■ 17, 47.822, 80.914

■ 7, 47.822, 80.914

■ 0, 47.822, 80.914

■ 57, 47.822, 80.914

■ 57, 47.822, 80.914

■ 55, 53.699, 79.239

■ 59, 41.202, 82.441

■ 54, 58.207, 77.275

■ 60, 34.259, 83.881

52, 61.204, 75.030

62, 27.234, 85.269

64, 20.256, 86.615

66, 13.387, 87.920

68, 6.655, 89.174

70, 0.068, 87.214

72, 6.375, 271.649

74, 12.683,
272.762

Harmonies

Complementary

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



57, 47.822, 80.914



40, 48.338, 285.383

Rectangle

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



57, 47.822, 80.914



57, 47.822, 130.914



57, 47.822, 260.914



57, 47.822, 310.914

Sweetspot

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



57, 47.822, 80.917



83, 17.280, 87.759



41, 51.931, 3.706



44, 11.824, 87.413



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, 47.822, 80.917



70, 68.360, 78.233



67, 60.829, 111.486



36, 3.760, 89.272



46, 55.670, 75.361



5, 7.208, 82.042

Inverse Universe

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



40, 48.338, 285.383



45, 72.744, 290.757



31, 74.422, 304.153



34, 3.756, 271.683



26, 64.008, 295.515



2, 8.440, 275.250

Previews

White Background



This preview shows how the CIELCh color 57, 47.822, 80.914 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, 47.822, 80.914 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, 47.822, 80.914

Background



This preview shows how black text looks on a background with the CIELCh color 57, 47.822, 80.914.



This preview shows how white text looks on a background with the CIELCh color 57, 47.822, 80.914.

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, 47.822, 80.914

Protanopia

57, 46.015, 95.381

Deuteranopia

57, 47.822, 80.914



Tritanopia
57, 23.065, 9.451

Trichromacy



Original Color
57, 47.822, 80.914

Protanomaly
57, 46.607, 90.151

Deuteranomaly
57, 47.822, 80.914

Tritanomaly
57, 26.081, 50.876

Monochromacy



Original Color
57, 47.822, 80.914

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 17.782, 86.757

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 47.822, 80.914 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(171, 130, 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(171, 130, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 130, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 47.822, 80.914 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, 51) }
```

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

```
.border{ border-color:rgb(171, 130, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 130, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 130, 51);  
box-shadow:4px 4px 4px 4px rgb(171, 130,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 47.822, 80.914 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, 51) }
```

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

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