

Converting Colors

CIELCh(55, 46.502, 72.419)

Have a look what the booklet for
CIELCh(55, 46.502, 72.419) contains.

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Color

CIELCh(55, 46.502, 72.419)

Conversions

Conversions Part 1

Format	Color
Hex	AE7935
RGB	174, 121, 53
RGB Percent	68%, 47%, 21%
CMY	0.3177, 0.5255, 0.7922
CMYK	0.00, 0.30, 0.70, 0.32
HSL	34°, 53%, 45%
HSV	34°, 70%, 68%
XYZ	24.9348, 22.9298, 6.4797
YIQ	129.0950, 53.4160, -9.9120

Conversions

Conversions Part 2

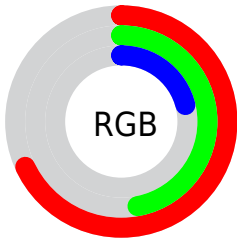
Format	Color
R_{YB}	147, 174, 53
Decimal	11434293
CIE _{Lab}	55.00, 14.05, 44.33
CIE _{LCh}	55, 46.502, 72.419
Yxy	22.9298, 0.4588, 0.4219
Android (android.graphics.Color)	4289624373 (0xFFAE7935)
YUV	129.0950, -37.5148, 39.3817
Hunter-Lab	47.8851, 9.1499, 25.4966

Details

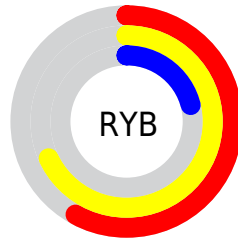
The CIELCh color **55, 46.502, 72.419** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **44, 41.804, 277.324**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 46.425, 72.076**, and **35, 46.420, 72.235** is the 20% darker color. If you saturate the color by 10%, you get **53, 53.019, 70.741**, and if you desaturate by 10%, it is **57, 39.522, 73.923**.

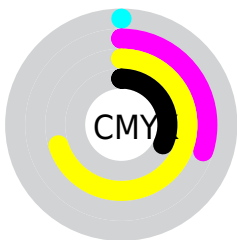
Distribution



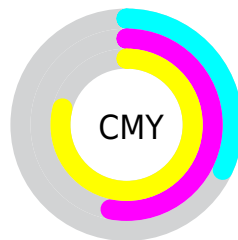
- Red (68%)
- Green (47%)
- Blue (21%)



- Red (58%)
- Yellow (68%)
- Blue (21%)



- Cyan (0%)
- Magenta (30%)
- Yellow (70%)
- Black (32%)



- Cyan (32%)
- Magenta (53%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 46.502, 72.419 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 55, 46.502, 72.419 by changing the saturation by 10% instead.

■ 55, 46.502, 72.419

■ 55, 46.502, 72.419

■ 100, 46.502,
72.419

■ 45, 46.502, 72.419

■ 75, 46.502, 72.419

■ 35, 46.502, 72.419

■ 85, 46.502, 72.419

■ 25, 46.502, 72.419

■ 95, 46.502, 72.419

■ 15, 46.502, 72.419

■ 5, 46.502, 72.419

■ 0, 46.502, 72.419

■ 55, 46.502, 72.419

■ 55, 46.502, 72.419

■ 53, 53.019, 70.741

■ 57, 39.522, 73.923

■ 51, 58.440, 68.691

■ 59, 32.452, 75.335

49, 62.442, 66.209

62, 25.484, 76.701

49, 62.636, 66.105

64, 18.706, 78.035

66, 12.151, 79.337

69, 5.824, 80.589

71, 0.284, 262.894

74, 6.189, 263.129

76, 11.910,
264.263

Harmonies

Complementary

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



55, 46.502, 72.419



44, 41.804, 277.324

Rectangle

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



55, 46.502, 72.419



55, 46.502, 122.419



55, 46.502, 252.419



55, 46.502, 302.419

Sweetspot

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



55, 46.501, 72.422



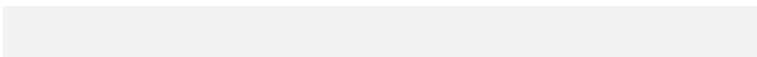
84, 16.263, 79.101



42, 53.569, 355.972



44, 11.151, 78.751



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



55, 46.501, 72.422



67, 68.149, 69.792



69, 60.736, 106.550



35, 3.445, 80.618



43, 56.207, 66.557



4, 6.691, 71.758

Inverse Universe

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



44, 41.804, 277.324



51, 62.171, 283.047



31, 75.205, 302.305



35, 3.402, 263.097



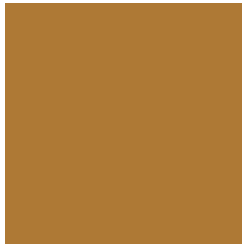
30, 54.060, 288.853



3, 7.773, 269.171

Previews

White Background



This preview shows how the CIELCh color 55, 46.502, 72.419 looks on a white background.

Color Contrast Check

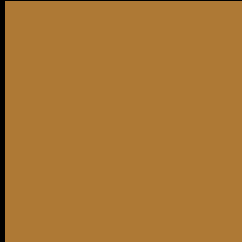
Large Text (above 18pt) WCAG AA ✓ Pass

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 55, 46.502, 72.419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

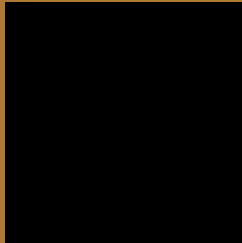
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 46.502, 72.419

Background



This preview shows how black text looks on a background with the CIELCh color 55, 46.502, 72.419.



This preview shows how white text looks on a background with the CIELCh color 55, 46.502, 72.419.

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

55, 46.502, 72.419

Protanopia

55, 42.321, 95.487

Deuteranopia

55, 44.925, 80.684



Tritanopia
55, 27.462, 13.357

Trichromacy



Original Color
55, 46.502, 72.419

Protanomaly
55, 42.846, 86.490

Deuteranomaly
55, 45.691, 77.832

Tritanomaly
55, 29.627, 44.278

Monochromacy



Original Color
55, 46.502, 72.419

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 16.637, 78.581

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 46.502, 72.419 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(174, 121, 53)` looks like.

```
.text, #text, p{  
    color:rgb(174, 121, 53)  
}
```

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(174, 121, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 121, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 46.502, 72.419 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(174, 121, 53) }
```

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

```
.border{ border-color:rgb(174, 121, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 121, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(174, 121, 53); -webkit-box-shadow:4px 4px 4px 4px rgb(174, 121, 53); box-shadow:4px 4px 4px 4px rgb(174, 121, 53) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 46.502, 72.419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 121, 53) }
```

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

```
.background{ background-color: rgb(174,  
121, 53) }
```

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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