

Converting Colors

CIELCh(56, 47.833, 72.159)

Have a look what the booklet for
CIELCh(56, 47.833, 72.159) contains.

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Color

CIELCh(56, 47.828, 72.110)

Conversions

Conversions Part 1

Format	Color
Hex	B27B35
RGB	178, 123, 53
RGB Percent	70%, 48%, 21%
CMY	0.3017, 0.5174, 0.7919
CMYK	0.00, 0.31, 0.70, 0.30
HSL	34°, 54%, 45%
HSV	34°, 70%, 70%
XYZ	26.1112, 23.9124, 6.6147
YIQ	131.4650, 55.2500, -10.1100

Conversions

Conversions Part 2

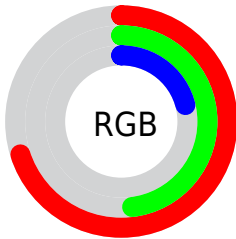
Format	Color
R_{YB}	151, 178, 53
Decimal	11696949
CIE Lab	56.00, 14.69, 45.52
CIE LCh	56, 47.828, 72.110
Yxy	23.9124, 0.4610, 0.4222
Android (android.graphics.Color)	4289887029 (0xFFB27B35)
YUV	131.4650, -38.6832, 40.8112
Hunter-Lab	48.9003, 9.7378, 26.2101

Details

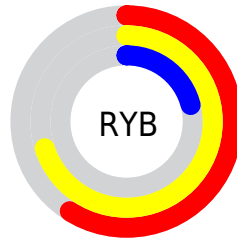
The CIELCh color **56, 47.828, 72.110** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **45, 42.872, 277.415**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 47.740, 71.854**, and **36, 47.567, 71.767** is the 20% darker color. If you saturate the color by 10%, you get **54, 54.421, 70.411**, and if you desaturate by 10%, it is **58, 40.727, 73.623**.

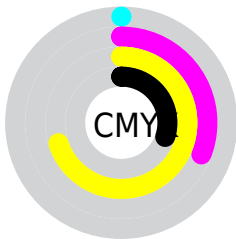
Distribution



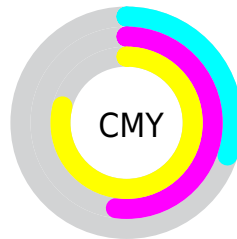
- Red (70%)
- Green (48%)
- Blue (21%)



- Red (59%)
- Yellow (70%)
- Blue (21%)



- Cyan (0%)
- Magenta (31%)
- Yellow (70%)
- Black (30%)



- Cyan (30%)
- Magenta (52%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 47.828, 72.110 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 56, 47.828, 72.110 by changing the saturation by 10% instead.

■ 56, 47.828, 72.110

■ 56, 47.828, 72.110

■ 100, 47.828,
72.110

■ 46, 47.828, 72.110

■ 76, 47.828, 72.110

■ 36, 47.828, 72.110

■ 86, 47.828, 72.110

■ 26, 47.828, 72.110

■ 96, 47.828, 72.110

■ 16, 47.828, 72.110

■ 6, 47.828, 72.110

■ 0, 47.828, 72.110

■ 56, 47.828, 72.110

■ 56, 47.828, 72.110

■ 54, 54.421, 70.411

■ 58, 40.727, 73.623

■ 52, 59.838, 68.318

■ 60, 33.519, 75.040

50, 63.765, 65.858

63, 26.407, 76.409

65, 19.489, 77.745

68, 12.799, 79.050

70, 6.345, 80.308

73, 0.116, 79.074

75, 5.903, 262.857

78, 11.731,
263.994

Harmonies

Complementary

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



56, 47.828, 72.110



45, 42.872, 277.415

Rectangle

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



56, 47.828, 72.110



56, 47.828, 122.110



56, 47.828, 252.110



56, 47.828, 302.110

Sweetspot

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



56, 47.827, 72.113



85, 16.535, 78.900



43, 54.933, 356.164



45, 11.339, 78.547



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



56, 47.827, 72.113



68, 70.055, 69.378



70, 62.302, 106.509



36, 3.523, 80.415



43, 56.939, 66.323



5, 7.769, 69.663

Inverse Universe

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



45, 42.872, 277.415



52, 63.869, 283.328



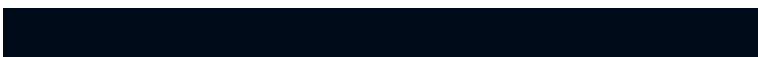
31, 77.405, 302.454



36, 3.478, 262.903



30, 54.604, 288.754



3, 9.272, 270.513

Previews

White Background



This preview shows how the CIELCh color 56, 47.828, 72.110 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 56, 47.828, 72.110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

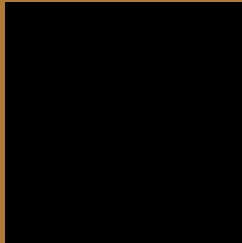
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 47.828, 72.110

Background



This preview shows how black text looks on a background with the CIELCh color 56, 47.828, 72.110.



This preview shows how white text looks on a background with the CIELCh color 56, 47.828, 72.110.

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

56, 47.828, 72.110

Protanopia

56, 43.666, 95.725

Deuteranopia

56, 46.365, 80.837



Tritanopia
56, 28.215, 13.696

Trichromacy



Original Color
56, 47.828, 72.110

Protanomaly
56, 44.140, 87.020

Deuteranomaly
56, 46.974, 77.341

Tritanomaly
56, 30.657, 44.571

Monochromacy



Original Color
56, 47.828, 72.110

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 17.291, 78.218

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 47.828, 72.110 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(178, 123, 53)` looks like.

```
.text, #text, p{  
    color:rgb(178, 123, 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(178, 123, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 123, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 47.828, 72.110 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(178, 123, 53) }
```

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

```
.border{ border-color:rgb(178, 123, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 123, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 123, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 123, 53);  
box-shadow:4px 4px 4px 4px rgb(178, 123,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 47.828, 72.110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 123, 53) }
```

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

```
.background{ background-color: rgb(178,  
123, 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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