

Converting Colors

CIELCh(56, 49.630, 62.506)

Have a look what the booklet for
CIELCh(56, 49.630, 62.506) contains.

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Color

CIELCh(56, 49.584, 62.343)

Conversions

Conversions Part 1

Format	Color
Hex	BD7539
RGB	189, 117, 57
RGB Percent	74%, 46%, 22%
CMY	0.2579, 0.5404, 0.7757
CMYK	0.00, 0.38, 0.70, 0.26
HSL	27°, 54%, 48%
HSV	27°, 70%, 74%
XYZ	28.1690, 23.9124, 7.0260
YIQ	131.6880, 62.1720, -3.3960

Conversions

Conversions Part 2

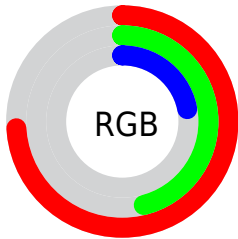
Format	Color
R_{YB}	189, 167, 57
Decimal	12416313
CIE Lab	56.00, 23.02, 43.92
CIE LCh	56, 49.584, 62.343
Yxy	23.9124, 0.4766, 0.4046
Android (android.graphics.Color)	4290606393 (0xFFBD7539)
YUV	131.6880, -36.8212, 50.2626
Hunter-Lab	48.9003, 17.2492, 25.7115

Details

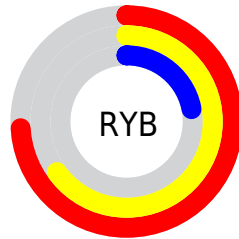
The CIELCh color **56, 49.584, 62.343** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **52, 38.050, 265.960**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 49.395, 61.973**, and **36, 49.572, 62.135** is the 20% darker color. If you saturate the color by 10%, you get **53, 57.313, 61.004**, and if you desaturate by 10%, it is **59, 41.626, 63.524**.

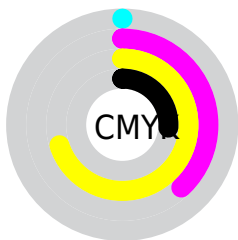
Distribution



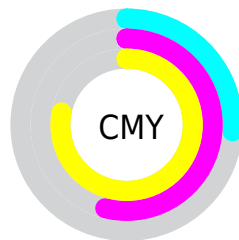
- Red (74%)
- Green (46%)
- Blue (22%)



- Red (74%)
- Yellow (65%)
- Blue (22%)



- Cyan (0%)
- Magenta (38%)
- Yellow (70%)
- Black (26%)



- Cyan (26%)
- Magenta (54%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 49.584, 62.343 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, 49.584, 62.343 by changing the saturation by 10% instead.

■ 56, 49.584, 62.343

■ 56, 49.584, 62.343

■ 100, 49.584,
62.343

■ 46, 49.584, 62.343

■ 76, 49.584, 62.343

■ 36, 49.584, 62.343

■ 86, 49.584, 62.343

■ 26, 49.584, 62.343

■ 96, 49.584, 62.343

■ 16, 49.584, 62.343

■ 6, 49.584, 62.343

■ 0, 49.584, 62.343

■ 56, 49.584, 62.343

■ 56, 49.584, 62.343

■ 53, 57.313, 61.004

■ 59, 41.626, 63.524

■ 51, 64.109, 59.250

■ 61, 33.809, 64.652

49, 69.436, 56.974

64, 26.296, 65.777

49, 69.559, 56.932

67, 19.147, 66.910

70, 12.372, 68.046

74, 5.953, 69.159

77, 0.138, 253.166

80, 5.933, 251.548

83, 11.464,
252.610

Harmonies

Complementary

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



56, 49.584, 62.343



52, 38.050, 265.960

Rectangle

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



56, 49.584, 62.343



56, 49.584, 112.343



56, 49.584, 242.343



56, 49.584, 292.343

Sweetspot

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



56, 49.583, 62.346



88, 16.261, 67.870



46, 59.839, 349.153



46, 11.085, 67.557



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



56, 49.583, 62.346



67, 74.339, 60.103



73, 62.565, 101.380



38, 3.438, 69.205



41, 60.683, 57.488



5, 10.031, 54.638

Inverse Universe

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



52, 38.050, 265.960



61, 55.237, 272.487



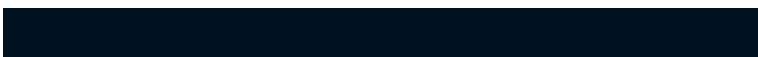
34, 76.927, 300.092



38, 3.342, 251.550



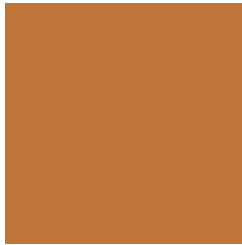
36, 45.569, 278.608



4, 11.038, 264.404

Previews

White Background



This preview shows how the CIELCh color 56, 49.584, 62.343 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 56, 49.584, 62.343 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, 49.584, 62.343

Background



This preview shows how black text looks on a background with the CIELCh color 56, 49.584, 62.343.



This preview shows how white text looks on a background with the CIELCh color 56, 49.584, 62.343.

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, 49.584, 62.343

Protanopia

56, 40.214, 96.087

Deuteranopia

56, 45.257, 81.031



Tritanopia
56, 35.153, 15.672

Trichromacy



Original Color
56, 49.584, 62.343

Protanomaly
56, 41.598, 82.236

Deuteranomaly
56, 46.208, 73.760

Tritanomaly
56, 36.964, 37.119

Monochromacy



Original Color
56, 49.584, 62.343

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 17.036, 67.199

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 49.584, 62.343 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(189, 117, 57)` looks like.

```
.text, #text, p{  
    color:rgb(189, 117, 57)  
}
```

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(189, 117, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 117, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 49.584, 62.343 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(189, 117, 57) }
```

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

```
.border{ border-color:rgb(189, 117, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 117, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 117, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 117, 57);  
box-shadow:4px 4px 4px 4px rgb(189, 117,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 49.584, 62.343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 117, 57) }
```

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

```
.background{ background-color: rgb(189,  
117, 57) }
```

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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