

Converting Colors

CIELCh(56, 46.878, 63.771)

Have a look what the booklet for
CIELCh(56, 46.878, 63.771) contains.

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Color

CIELCh(56, 46.856, 63.560)

Conversions

Conversions Part 1

Format	Color
Hex	BA773D
RGB	186, 119, 61
RGB Percent	73%, 47%, 24%
CMY	0.2713, 0.5339, 0.7613
CMYK	0.00, 0.36, 0.67, 0.27
HSL	28°, 51%, 48%
HSV	28°, 67%, 73%
XYZ	27.6268, 23.9124, 7.5547
YIQ	132.4210, 58.5500, -3.8340

Conversions

Conversions Part 2

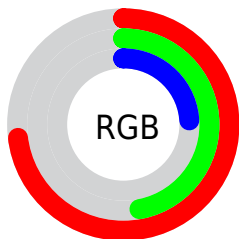
Format	Color
RYB	186, 169, 61
Decimal	12220221
CIELab	56.00, 20.86, 41.95
CIElCh	56, 46.856, 63.560
Yxy	23.9124, 0.4675, 0.4047
Android (android.graphics.Color)	4290410301 (0xFFBA773D)
YUV	132.4210, -35.2106, 46.9888
Hunter-Lab	48.9003, 15.2701, 25.0704

Details

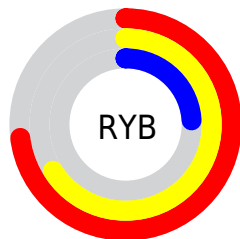
The CIELCh color **56, 46.856, 63.560** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **52, 36.783, 266.157**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 46.808, 62.982**, and **36, 46.606, 63.507** is the 20% darker color. If you saturate the color by 10%, you get **53, 54.515, 62.234**, and if you desaturate by 10%, it is **59, 39.070, 64.763**.

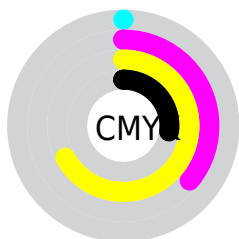
Distribution



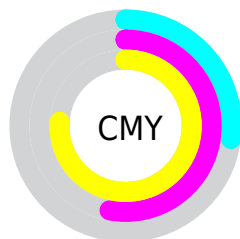
- Red (73%)
- Green (47%)
- Blue (24%)



- Red (73%)
- Yellow (66%)
- Blue (24%)



- Cyan (0%)
- Magenta (36%)
- Yellow (67%)
- Black (27%)



- Cyan (27%)
- Magenta (53%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 46.856, 63.560 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, 46.856, 63.560 by changing the saturation by 10% instead.

■ 56, 46.856, 63.560

■ 56, 46.856, 63.560

■ 100, 46.856,
63.560

■ 46, 46.856, 63.560

■ 76, 46.856, 63.560

■ 36, 46.856, 63.560

■ 86, 46.856, 63.560

■ 26, 46.856, 63.560

■ 96, 46.856, 63.560

■ 16, 46.856, 63.560

■ 6, 46.856, 63.560

■ 0, 46.856, 63.560

■ 56, 46.856, 63.560

■ 56, 46.856, 63.560

■ 53, 54.515, 62.234

■ 59, 39.070, 64.763

■ 51, 61.451, 60.572

■ 61, 31.460, 65.924

49, 66.843, 58.292

64, 24.155, 67.082

48, 68.289, 57.715

67, 17.203, 68.243

70, 10.604, 69.399

73, 4.340, 70.512

76, 1.616, 251.980

79, 7.296, 252.926

83, 12.730,
254.002

Harmonies

Complementary

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



56, 46.856, 63.560



52, 36.783, 266.157

Rectangle

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



56, 46.856, 63.560



56, 46.856, 113.560



56, 46.856, 243.560



56, 46.856, 293.560

Sweetspot

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



56, 46.855, 63.564



88, 15.375, 69.044



46, 57.498, 348.660



46, 10.655, 68.717



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, 46.855, 63.564



67, 71.001, 61.448



72, 59.938, 101.589



37, 3.378, 70.290



41, 59.676, 58.275



5, 8.721, 57.282

Inverse Universe

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



52, 36.783, 266.157



61, 53.897, 272.253



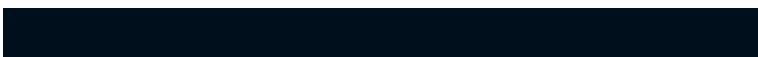
35, 72.812, 299.468



37, 3.288, 252.655



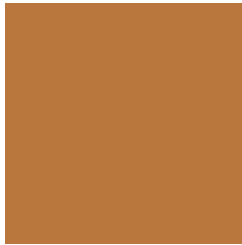
35, 45.852, 279.630



4, 9.877, 264.281

Previews

White Background



This preview shows how the CIELCh color 56, 46.856, 63.560 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, 46.856, 63.560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

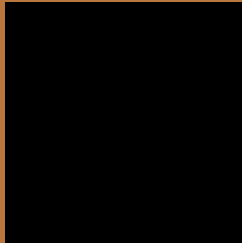
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 46.856, 63.560

Background



This preview shows how black text looks on a background with the CIELCh color 56, 46.856, 63.560.



This preview shows how white text looks on a background with the CIELCh color 56, 46.856, 63.560.

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, 46.856, 63.560

Protanopia

56, 38.724, 95.946

Deuteranopia

56, 42.979, 80.115



Tritanopia
56, 32.997, 15.752

Trichromacy



Original Color
56, 46.856, 63.560

Protanomaly
56, 39.754, 82.845

Deuteranomaly
56, 43.828, 73.793

Tritanomaly
56, 34.717, 37.793

Monochromacy



Original Color
56, 46.856, 63.560

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 16.286, 67.130

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 46.856, 63.560 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(186, 119, 61)` looks like.

```
.text, #text, p{  
    color:rgb(186, 119, 61)  
}
```

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(186, 119, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 119, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 46.856, 63.560 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(186, 119, 61) }
```

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

```
.border{ border-color:rgb(186, 119, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 119, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 119, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 119, 61);  
box-shadow:4px 4px 4px 4px rgb(186, 119,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 46.856, 63.560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 119, 61) }
```

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

```
.background{ background-color: rgb(186,  
119, 61) }
```

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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