

Converting Colors

CIELCh(56, 50.669, 65.687)

Have a look what the booklet for
CIELCh(56, 50.669, 65.687) contains.

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Color

CIELCh(56, 50.889, 65.887)

Conversions

Conversions Part 1

Format	Color
Hex	BB7734
RGB	187, 119, 52
RGB Percent	73%, 47%, 20%
CMY	0.2678, 0.5342, 0.7970
CMYK	0.00, 0.36, 0.72, 0.27
HSL	30°, 57%, 47%
HSV	30°, 72%, 73%
XYZ	27.6085, 23.9124, 6.3820
YIQ	131.6940, 62.0350, -6.4210

Conversions

Conversions Part 2

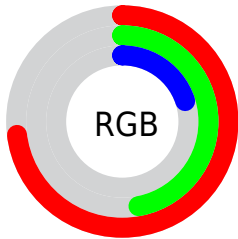
Format	Color
R_{YB}	187, 185, 52
Decimal	12285748
CIE Lab	56.00, 20.79, 46.45
CIE LCh	56, 50.889, 65.887
Yxy	23.9124, 0.4768, 0.4130
Android (android.graphics.Color)	4290475828 (0xFFBB7734)
YUV	131.6940, -39.2891, 48.5034
Hunter-Lab	48.9003, 15.2034, 26.4923

Details

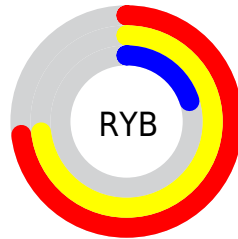
The CIELCh color **56, 50.889, 65.887** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **49, 41.447, 271.808**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 50.819, 65.614**, and **36, 50.430, 65.412** is the 20% darker color. If you saturate the color by 10%, you get **54, 58.037, 64.280**, and if you desaturate by 10%, it is **58, 43.265, 67.274**.

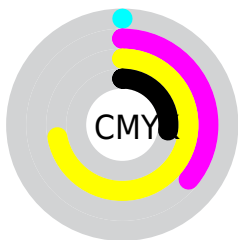
Distribution



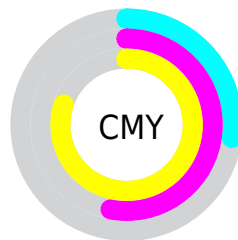
- Red (73%)
- Green (47%)
- Blue (20%)



- Red (73%)
- Yellow (73%)
- Blue (20%)



- Cyan (0%)
- Magenta (36%)
- Yellow (72%)
- Black (27%)



- Cyan (27%)
- Magenta (53%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 50.889, 65.887 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, 50.889, 65.887 by changing the saturation by 10% instead.

■ 56, 50.889, 65.887

■ 56, 50.889, 65.887

■ 100, 50.889,
65.887

■ 46, 50.889, 65.887

■ 76, 50.889, 65.887

■ 36, 50.889, 65.887

■ 86, 50.889, 65.887

■ 26, 50.889, 65.887

■ 96, 50.889, 65.887

■ 16, 50.889, 65.887

■ 6, 50.889, 65.887

■ 0, 50.889, 65.887

■ 56, 50.889, 65.887

■ 56, 50.889, 65.887

■ 54, 58.037, 64.280

■ 58, 43.265, 67.274

■ 51, 63.930, 62.179

■ 61, 35.617, 68.566

50, 67.553, 60.270

64, 28.164, 69.824

66, 20.998, 71.070

69, 14.149, 72.303

72, 7.614, 73.510

75, 1.374, 74.507

78, 4.598, 256.021

81, 10.328,
257.126

Harmonies

Complementary

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



56, 50.889, 65.887



49, 41.447, 271.808

Rectangle

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



56, 50.889, 65.887



56, 50.889, 115.887



56, 50.889, 245.887



56, 50.889, 295.887

Sweetspot

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



56, 50.888, 65.890



88, 17.271, 72.293



45, 59.665, 351.923



46, 11.775, 71.959



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, 50.888, 65.890



67, 75.217, 63.071



73, 65.161, 102.975



38, 3.521, 73.849



42, 59.577, 60.787



6, 10.066, 59.223

Inverse Universe

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



49, 41.447, 271.808



57, 61.079, 278.591



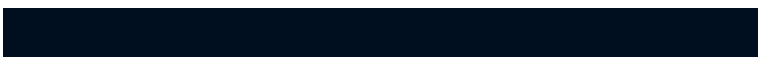
32, 81.795, 301.713



38, 3.445, 256.296



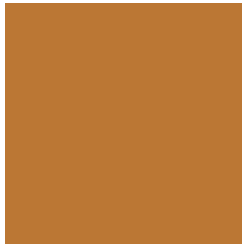
34, 49.580, 283.131



4, 11.512, 268.143

Previews

White Background



This preview shows how the CIELCh color 56, 50.889, 65.887 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, 50.889, 65.887 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, 50.889, 65.887

Background



This preview shows how black text looks on a background with the CIELCh color 56, 50.889, 65.887.



This preview shows how white text looks on a background with the CIELCh color 56, 50.889, 65.887.

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, 50.889, 65.887

Protanopia

56, 43.666, 95.725

Deuteranopia

56, 47.670, 81.297



Tritanopia
56, 33.416, 15.909

Trichromacy



Original Color
56, 50.889, 65.887

Protanomaly
56, 44.644, 83.958

Deuteranomaly
56, 48.469, 75.567

Tritanomaly
56, 35.954, 40.007

Monochromacy



Original Color
56, 50.889, 65.887

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 17.857, 72.535

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 50.889, 65.887 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(187, 119, 52)` looks like.

```
.text, #text, p{  
    color:rgb(187, 119, 52)  
}
```

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(187, 119, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 119, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 50.889, 65.887 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(187, 119, 52) }
```

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

```
.border{ border-color:rgb(187, 119, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 119, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 119, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 119, 52);  
box-shadow:4px 4px 4px 4px rgb(187, 119,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 50.889, 65.887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 119, 52) }
```

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

```
.background{ background-color: rgb(187,  
119, 52) }
```

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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