

Converting Colors

CIELCh(55, 40.103, 56.349)

Have a look what the booklet for
CIELCh(55, 40.103, 56.349) contains.

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Color

CIELCh(55, 40.103, 56.349)

Conversions

Conversions Part 1

Format	Color
Hex	B7744B
RGB	183, 116, 75
RGB Percent	72%, 45%, 29%
CMY	0.2839, 0.5465, 0.7072
CMYK	0.00, 0.37, 0.59, 0.28
HSL	23°, 43%, 50%
HSV	23°, 59%, 72%
XYZ	26.8949, 22.9298, 9.6049
YIQ	131.3590, 53.0930, 1.4530

Conversions

Conversions Part 2

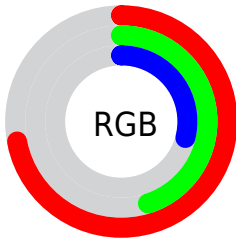
Format	Color
RYB	183, 141, 75
Decimal	12022859
CIELab	55.00, 22.22, 33.38
CIElCh	55, 40.103, 56.349
Yxy	22.9298, 0.4526, 0.3858
Android (android.graphics.Color)	4290212939 (0xFFB7744B)
YUV	131.3590, -27.7850, 45.2892
Hunter-Lab	47.8851, 16.4564, 21.6271

Details

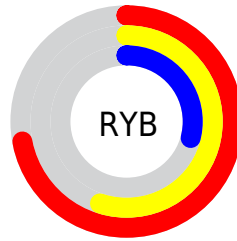
The CIELCh color **55, 40.103, 56.349** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **56, 29.269, 252.161**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 40.012, 55.841**, and **35, 40.026, 56.229** is the 20% darker color. If you saturate the color by 10%, you get **52, 48.222, 55.628**, and if you desaturate by 10%, it is **58, 32.270, 57.093**.

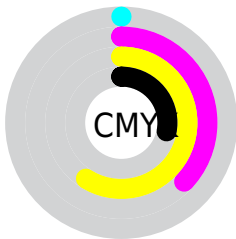
Distribution



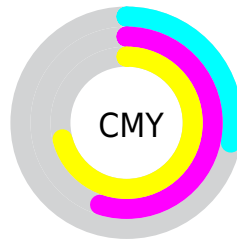
- Red (72%)
- Green (45%)
- Blue (29%)



- Red (72%)
- Yellow (55%)
- Blue (29%)



- Cyan (0%)
- Magenta (37%)
- Yellow (59%)
- Black (28%)



- Cyan (28%)
- Magenta (55%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 40.103, 56.349 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, 40.103, 56.349 by changing the saturation by 10% instead.

■ 55, 40.103, 56.349

■ 55, 40.103, 56.349

■ 100, 40.103,
56.349

■ 45, 40.103, 56.349

■ 75, 40.103, 56.349

■ 35, 40.103, 56.349

■ 85, 40.103, 56.349

■ 25, 40.103, 56.349

■ 95, 40.103, 56.349

■ 15, 40.103, 56.349

■ 5, 40.103, 56.349

■ 0, 40.103, 56.349

■ 55, 40.103, 56.349

■ 55, 40.103, 56.349

■ 52, 48.222, 55.628

■ 58, 32.270, 57.093

■ 49, 56.324, 54.811

■ 61, 24.851, 57.883

47, 63.758, 53.650

64, 17.881, 58.725

45, 69.840, 51.972

68, 11.352, 59.606

45, 70.401, 51.866

71, 5.237, 60.489

75, 0.503, 242.367

78, 5.905, 242.540

82, 11.010,
243.452

85, 15.852,
244.373

Harmonies

Complementary

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



55, 40.103, 56.349



56, 29.269, 252.161

Rectangle

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



55, 40.103, 56.349



55, 40.103, 106.349



55, 40.103, 236.349



55, 40.103, 286.349

Sweetspot

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



55, 40.102, 56.353



86, 13.190, 59.678



48, 53.794, 342.475



45, 9.329, 59.419



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



55, 40.102, 56.353



66, 61.718, 55.394



68, 49.600, 97.644



37, 3.274, 60.469



38, 62.282, 52.347



4, 8.752, 48.816

Inverse Universe

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



56, 29.269, 252.161



68, 41.764, 256.691



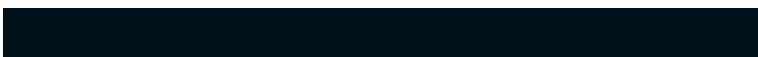
41, 56.373, 294.148



37, 3.148, 242.481



39, 38.733, 268.711



4, 9.164, 255.523

Previews

White Background



This preview shows how the CIELCh color 55, 40.103, 56.349 looks on a white background.

Color Contrast Check

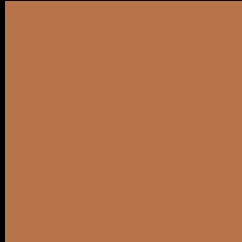
Large Text (above 18pt) WCAG AA ✓ Pass

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 55, 40.103, 56.349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

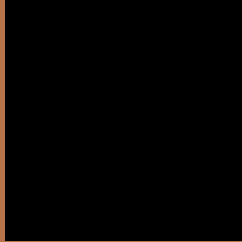
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 40.103, 56.349

Background



This preview shows how black text looks on a background with the CIELCh color 55, 40.103, 56.349.



This preview shows how white text looks on a background with the CIELCh color 55, 40.103, 56.349.

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, 40.103, 56.349

Protanopia

55, 29.287, 95.982

Deuteranopia

55, 34.971, 78.694



Tritanopia
55, 32.253, 15.502

Trichromacy



Original Color
55, 40.103, 56.349

Protanomaly
55, 30.790, 78.386

Deuteranomaly
55, 36.102, 69.401

Tritanomaly
55, 33.007, 32.781

Monochromacy



Original Color
55, 40.103, 56.349

Achromatopsia
55, 0.007, 296.813

Achromatomaly
54, 13.436, 56.672

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 40.103, 56.349 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(183, 116, 75)` looks like.

```
.text, #text, p{  
    color:rgb(183, 116, 75)  
}
```

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(183, 116, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 116, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 40.103, 56.349 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(183, 116, 75) }
```

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

```
.border{ border-color:rgb(183, 116, 75) }
```

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

Here you see how a box with a 4 pixel rgb(183, 116, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 116, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 116, 75);  
box-shadow:4px 4px 4px 4px rgb(183, 116,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 40.103, 56.349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 116, 75) }
```

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

```
.background{ background-color: rgb(183,  
116, 75) }
```

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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