

Converting Colors

CIELCh(49, 40.620, 55.823)

Have a look what the booklet for
CIELCh(49, 40.620, 55.823) contains.

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Color

CIELCh(49, 40.620, 55.823)

Conversions

Conversions Part 1

Format	Color
Hex	A6643C
RGB	166, 100, 60
RGB Percent	65%, 39%, 24%
CMY	0.3484, 0.6073, 0.7642
CMYK	0.00, 0.40, 0.64, 0.35
HSL	23°, 47%, 44%
HSV	23°, 64%, 65%
XYZ	21.1503, 17.5941, 6.5747
YIQ	115.1740, 52.1760, 1.5520

Conversions

Conversions Part 2

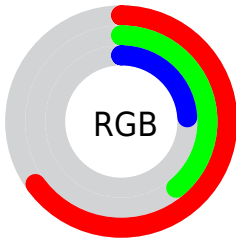
Format	Color
RYB	166, 124, 60
Decimal	10904636
CIELab	49.00, 22.82, 33.61
CIElCh	49, 40.620, 55.823
Yxy	17.5941, 0.4667, 0.3882
Android (android.graphics.Color)	4289094716 (0xFFA6643C)
YUV	115.1740, -27.2008, 44.5744
Hunter-Lab	41.9453, 16.6018, 20.0683

Details

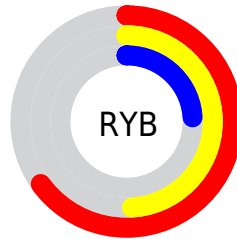
The CIELCh color **49, 40.620, 55.823** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **50, 28.816, 253.180**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 40.301, 55.419**, and **29, 40.628, 55.244** is the 20% darker color. If you saturate the color by 10%, you get **46, 48.194, 55.105**, and if you desaturate by 10%, it is **52, 33.221, 56.533**.

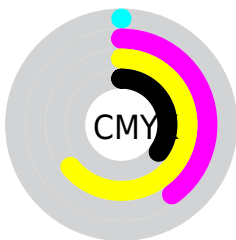
Distribution



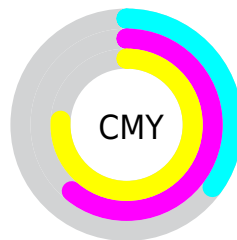
- Red (65%)
- Green (39%)
- Blue (24%)



- Red (65%)
- Yellow (49%)
- Blue (24%)



- Cyan (0%)
- Magenta (40%)
- Yellow (64%)
- Black (35%)



- Cyan (35%)
- Magenta (61%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 40.620, 55.823 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 49, 40.620, 55.823 by changing the saturation by 10% instead.

■ 49, 40.620, 55.823

■ 49, 40.620, 55.823

■ 100, 40.620,
55.823

■ 39, 40.620, 55.823

■ 69, 40.620, 55.823

■ 29, 40.620, 55.823

■ 79, 40.620, 55.823

■ 19, 40.620, 55.823

■ 89, 40.620, 55.823

■ 9, 40.620, 55.823

■ 99, 40.620, 55.823

■ 0, 40.620, 55.823

■ 49, 40.620, 55.823

■ 49, 40.620, 55.823

■ 46, 48.194, 55.105

■ 52, 33.221, 56.533

■ 44, 55.555, 54.213

■ 55, 26.169, 57.281

42, 61.934, 52.820

58, 19.525, 58.083

41, 65.582, 51.991

61, 13.296, 58.933

64, 7.461, 59.808

67, 1.991, 60.585

70, 3.151, 241.849

73, 8.001, 242.709

77, 12.593,
243.619

Harmonies

Complementary

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



49, 40.620, 55.823



50, 28.816, 253.180

Rectangle

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



49, 40.620, 55.823



49, 40.620, 105.823



49, 40.620, 235.823



49, 40.620, 285.823

Sweetspot

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



49, 40.619, 55.827



79, 12.978, 59.322



43, 52.986, 343.024



41, 9.086, 59.081



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



49, 40.619, 55.827



59, 62.960, 54.730



62, 49.167, 97.183



34, 3.044, 60.196



36, 60.014, 52.365



3, 5.381, 54.630

Inverse Universe

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



50, 28.816, 253.180



61, 41.227, 258.637



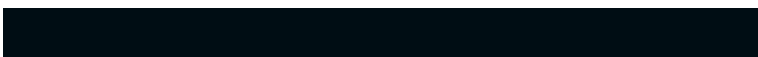
35, 56.795, 295.221



34, 2.928, 242.174



37, 37.044, 268.119



3, 5.598, 250.434

Previews

White Background



This preview shows how the CIELCh color 49, 40.620, 55.823 looks on a white background.

Color Contrast Check

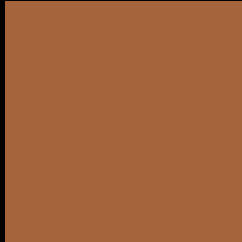
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 49, 40.620, 55.823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

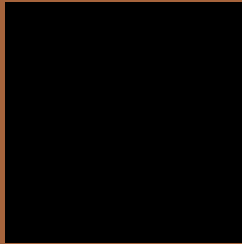
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 40.620, 55.823

Background



This preview shows how black text looks on a background with the CIELCh color 49, 40.620, 55.823.



This preview shows how white text looks on a background with the CIELCh color 49, 40.620, 55.823.

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

49, 40.620, 55.823

Protanopia

49, 29.723, 96.319

Deuteranopia

49, 34.746, 78.981



Tritanopia
49, 32.192, 16.790

Trichromacy



Original Color
49, 40.620, 55.823

Protanomaly
49, 31.268, 78.452

Deuteranomaly
49, 35.946, 69.436

Tritanomaly
49, 33.098, 33.321

Monochromacy



Original Color
49, 40.620, 55.823

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 13.857, 59.336

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 40.620, 55.823 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(166, 100, 60)` looks like.

```
.text, #text, p{  
    color:rgb(166, 100, 60)  
}
```

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(166, 100, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 100, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 40.620, 55.823 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(166, 100, 60) }
```

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

```
.border{ border-color:rgb(166, 100, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 100, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 100, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 100, 60);  
box-shadow:4px 4px 4px 4px rgb(166, 100,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 40.620, 55.823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 100, 60) }
```

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

```
.background{ background-color: rgb(166,  
100, 60) }
```

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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