

Converting Colors

CIELCh(52, 48.440, 61.623)

Have a look what the booklet for
CIELCh(52, 48.440, 61.623) contains.

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Color

CIELCh(52, 48.440, 61.623)

Conversions

Conversions Part 1

Format	Color
Hex	B16B32
RGB	177, 107, 50
RGB Percent	69%, 42%, 20%
CMY	0.3052, 0.5798, 0.8034
CMYK	0.00, 0.40, 0.72, 0.31
HSL	27°, 56%, 45%
HSV	27°, 72%, 69%
XYZ	24.0219, 20.1443, 5.6555
YIQ	121.4320, 60.0170, -2.8870

Conversions

Conversions Part 2

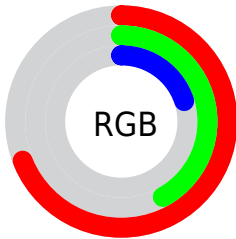
Format	Color
RYB	177, 153, 50
Decimal	11627314
CIELab	52.00, 23.02, 42.62
CIELCh	52, 48.440, 61.623
Yxy	20.1443, 0.4822, 0.4043
Android (android.graphics.Color)	4289817394 (0xFFB16B32)
YUV	121.4320, -35.2160, 48.7331
Hunter-Lab	44.8824, 16.9922, 23.9468

Details

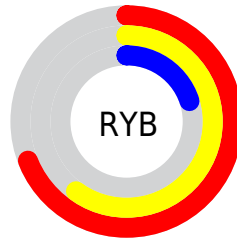
The CIELCh color **52, 48.440, 61.623** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **49, 36.652, 265.858**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 48.586, 61.682**, and **32, 48.209, 61.796** is the 20% darker color. If you saturate the color by 10%, you get **50, 55.727, 60.279**, and if you desaturate by 10%, it is **55, 40.870, 62.786**.

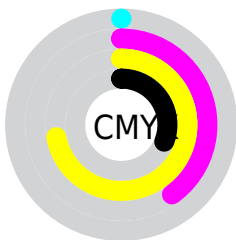
Distribution



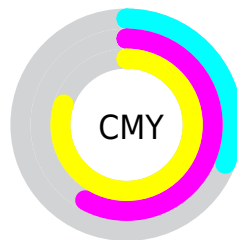
- Red (69%)
- Green (42%)
- Blue (20%)



- Red (69%)
- Yellow (60%)
- Blue (20%)



- Cyan (0%)
- Magenta (40%)
- Yellow (72%)
- Black (31%)



- Cyan (31%)
- Magenta (58%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 48.440, 61.623 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 52, 48.440, 61.623 by changing the saturation by 10% instead.

■ 52, 48.440, 61.623

■ 52, 48.440, 61.623

■ 100, 48.440,
61.623

■ 42, 48.440, 61.623

■ 72, 48.440, 61.623

■ 32, 48.440, 61.623

■ 82, 48.440, 61.623

■ 22, 48.440, 61.623

■ 92, 48.440, 61.623

■ 12, 48.440, 61.623

■ 2, 48.440, 61.623

■ 0, 48.440, 61.623

■ 52, 48.440, 61.623

■ 52, 48.440, 61.623

■ 50, 55.727, 60.279

■ 55, 40.870, 62.786

■ 47, 62.010, 58.471

■ 57, 33.405, 63.887

46, 66.341, 56.696

60, 26.220, 64.984

63, 19.380, 66.092

66, 12.901, 67.207

69, 6.767, 68.310

72, 0.952, 69.097

75, 4.573, 250.679

78, 9.840, 251.722

Harmonies

Complementary

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



52, 48.440, 61.623



49, 36.652, 265.858

Rectangle

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



52, 48.440, 61.623



52, 48.440, 111.623



52, 48.440, 241.623



52, 48.440, 291.623

Sweetspot

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



52, 48.439, 61.626



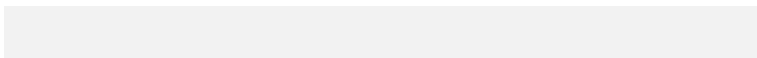
83, 16.173, 67.132



43, 58.306, 348.363



43, 10.935, 66.839



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



52, 48.439, 61.626



62, 72.246, 59.318



68, 59.818, 100.327



36, 3.274, 68.563



40, 59.359, 57.170



4, 7.507, 57.547

Inverse Universe

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



49, 36.652, 265.858



57, 53.013, 272.579



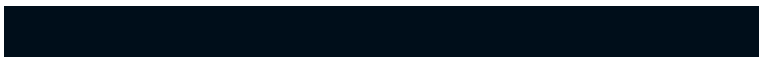
32, 73.692, 299.904



36, 3.181, 250.874



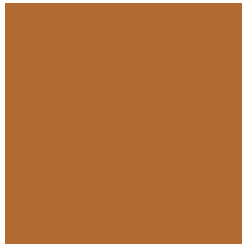
35, 43.866, 277.797



4, 8.419, 261.599

Previews

White Background



This preview shows how the CIELCh color 52, 48.440, 61.623 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 52, 48.440, 61.623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

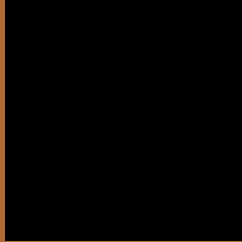
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 48.440, 61.623

Background



This preview shows how black text looks on a background with the CIELCh color 52, 48.440, 61.623.



This preview shows how white text looks on a background with the CIELCh color 52, 48.440, 61.623.

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

52, 48.440, 61.623

Protanopia

52, 39.436, 96.246

Deuteranopia

52, 43.850, 80.999



Tritanopia
52, 34.443, 17.445

Trichromacy



Original Color
52, 48.440, 61.623

Protanomaly
52, 40.657, 82.494

Deuteranomaly
52, 44.866, 73.407

Tritanomaly
52, 36.814, 37.569

Monochromacy



Original Color
52, 48.440, 61.623

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 16.577, 66.913

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 48.440, 61.623 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(177, 107, 50)` looks like.

```
.text, #text, p{  
    color:rgb(177, 107, 50)  
}
```

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(177, 107, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 107, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 48.440, 61.623 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(177, 107, 50) }
```

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

```
.border{ border-color:rgb(177, 107, 50) }
```

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

Here you see how a box with a 4 pixel rgb(177, 107, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 107, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 107, 50);  
box-shadow:4px 4px 4px 4px rgb(177, 107,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 48.440, 61.623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 107, 50) }
```

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

```
.background{ background-color: rgb(177,  
107, 50) }
```

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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