

Converting Colors

CIELCh(61, 40.476, 102.753)

Have a look what the booklet for
CIELCh(61, 40.476, 102.753)
contains.

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Color

CIELCh(61, 40.224, 103.066)

Conversions

Conversions Part 1

Format	Color
Hex	9A964C
RGB	154, 150, 76
RGB Percent	60%, 59%, 30%
CMY	0.3957, 0.4114, 0.7016
CMYK	0.00, 0.03, 0.51, 0.40
HSL	57°, 34%, 45%
HSV	57°, 51%, 60%
XYZ	25.5765, 29.2481, 11.1523
YIQ	142.7600, 26.1380, -22.1660

Conversions

Conversions Part 2

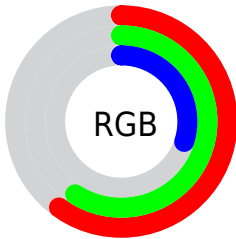
Format	Color
R_{YB}	80, 154, 76
Decimal	10131020
CIE Lab	61.00, -9.09, 39.18
CIE LCh	61, 40.224, 103.066
Yxy	29.2481, 0.3877, 0.4433
Android (android.graphics.Color)	4288321100 (0xFF9A964C)
YUV	142.7600, -32.9127, 9.8575
Hunter-Lab	54.0815, -10.2257, 25.6308

Details

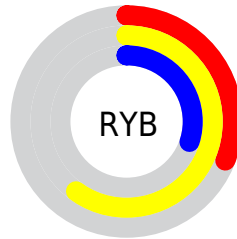
The CIELCh color $61, 40.224, 103.066$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $37, 45.539, 295.484$, and the grayscale version is $59, 0.008, 296.813$.

A 20% lighter version of the original color is $81, 40.117, 103.018$, and $41, 40.093, 102.651$ is the 20% darker color. If you saturate the color by 10%, you get $61, 47.290, 102.161$, and if you desaturate by 10%, it is $61, 32.658, 104.028$.

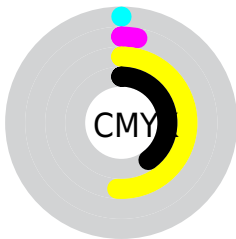
Distribution



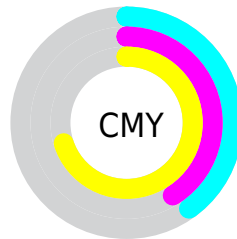
- Red (60%)
- Green (59%)
- Blue (30%)



- Red (31%)
- Yellow (60%)
- Blue (30%)



- Cyan (0%)
- Magenta (3%)
- Yellow (51%)
- Black (40%)





- Cyan (40%)
- Magenta (41%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 40.224, 103.066 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 61, 40.224, 103.066 by changing the saturation by 10% instead.

 61, 40.224,
103.066


 61, 40.224,
103.066


 100, 40.224,
103.066


 51, 40.224,
103.066


 81, 40.224,
103.066

 41, 40.224,
103.066

 91, 40.224,
103.066

 31, 40.224,
103.066

 21, 40.224,
103.066

 11, 40.224,
103.066

 1, 40.224, 103.066

 0, 40.224, 103.066

61, 40.224,
103.066

61, 40.224,
103.066

61, 47.290,
102.161

61, 32.658,
104.028

60, 53.556,
101.330

62, 24.792,
105.016

60, 58.628,
100.607

62, 16.760,
106.013

60, 62.099,
100.012

63, 8.644, 107.004

59, 64.124, 99.548

64, 0.497, 107.849

64, 7.648, 288.951

65, 15.769,
289.867

66, 23.852,
290.750

■ 66, 31.886,
291.593

Harmonies

Complementary

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



61, 40.224, 103.066



37, 45.539, 295.484

Rectangle

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



61, 40.224, 103.066



61, 40.224, 153.066



61, 40.224, 283.066



61, 40.224, 333.066

Sweetspot

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



61, 40.225, 103.069



80, 15.182, 106.542



42, 35.179, 20.178



42, 10.437, 106.347



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



61, 40.225, 103.069



77, 58.973, 102.022



60, 44.676, 124.334



32, 4.573, 107.140



54, 59.879, 99.576



3, 4.929, 107.768

Inverse Universe

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



37, 45.539, 295.484



42, 69.775, 298.026



39, 48.680, 309.538



30, 4.662, 289.015



16, 83.150, 305.431



0, 4.967, 288.086

Previews

White Background



This preview shows how the CIELCh color 61, 40.224, 103.066 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 61, 40.224, 103.066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

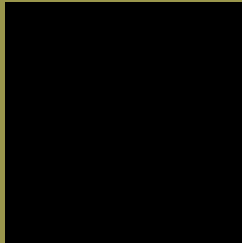
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 40.224, 103.066

Background



This preview shows how black text looks on a background with the CIELCh color 61, 40.224, 103.066.



This preview shows how white text looks on a background with the CIELCh color 61, 40.224, 103.066.

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

61, 40.224, 103.066

Protanopia

61, 39.920, 95.898

Deuteranopia

61, 38.862, 78.254



Tritanopia
61, 9.941, 341.994

Trichromacy



Original Color
61, 40.224, 103.066

Protanomaly
61, 40.087, 98.532

Deuteranomaly
61, 38.524, 87.447

Tritanomaly
61, 12.642, 81.616

Monochromacy



Original Color
61, 40.224, 103.066

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 15.132, 106.873

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 40.224, 103.066 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(154, 150, 76)` looks like.

```
.text, #text, p{  
    color:rgb(154, 150, 76)  
}
```

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(154, 150, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 150, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 40.224, 103.066 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(154, 150, 76) }
```

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

```
.border{ border-color:rgb(154, 150, 76) }
```

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

Here you see how a box with a 4 pixel rgb(154, 150, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 150, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 150, 76);  
box-shadow:4px 4px 4px 4px rgb(154, 150,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 40.224, 103.066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 150, 76) }
```

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

```
.background{ background-color: rgb(154,  
150, 76) }
```

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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