

Converting Colors

CIELCh(61, 20.072, 110.291)

Have a look what the booklet for
CIELCh(61, 20.072, 110.291)
contains.

CIELCh(61, 20.049, 110.304)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(61, 20.049, 110.304)

Conversions

Conversions Part 1

Format	Color
Hex	949672
RGB	148, 150, 114
RGB Percent	58%, 59%, 45%
CMY	0.4203, 0.4124, 0.5536
CMYK	0.01, 0.00, 0.24, 0.41
HSL	63°, 15%, 52%
HSV	63°, 24%, 59%
XYZ	26.0877, 29.2481, 20.1407
YIQ	145.2980, 10.3640, -11.6200

Conversions

Conversions Part 2

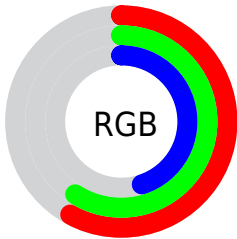
Format	Color
RYB	114, 150, 116
Decimal	9737842
CIELab	61.00, -6.96, 18.80
CIElCh	61, 20.049, 110.304
Yxy	29.2481, 0.3456, 0.3875
Android (android.graphics.Color)	4287927922 (0xFF949672)
YUV	145.2980, -15.4299, 2.3697
Hunter-Lab	54.0815, -8.5383, 15.7767

Details

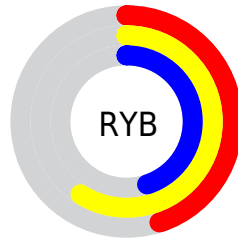
The CIELCh color $61, 20.049, 110.304$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $49, 21.179, 294.823$, and the grayscale version is $60, 0.008, 296.813$.

A 20% lighter version of the original color is $81, 20.033, 110.607$, and $41, 19.707, 109.847$ is the 20% darker color. If you saturate the color by 10%, you get $61, 28.211, 109.454$, and if you desaturate by 10%, it is $61, 11.748, 111.170$.

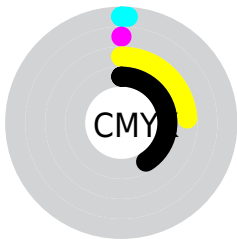
Distribution



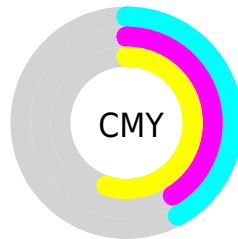
- Red (58%)
- Green (59%)
- Blue (45%)



- Red (45%)
- Yellow (59%)
- Blue (45%)



- Cyan (1%)
- Magenta (0%)
- Yellow (24%)
- Black (41%)





- Cyan (42%)
- Magenta (41%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 20.049, 110.304 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, 20.049, 110.304 by changing the saturation by 10% instead.


 61, 20.049,
110.304


 61, 20.049,
110.304


 100, 20.049,
110.304


 51, 20.049,
110.304


 81, 20.049,
110.304

 41, 20.049,
110.304

 91, 20.049,
110.304

 31, 20.049,
110.304

 21, 20.049,
110.304

 11, 20.049,
110.304

 1, 20.049, 110.304

 0, 20.049, 110.304

■ 61, 20.049,
110.304

■ 61, 20.049,
110.304

■ 61, 28.211,
109.454

■ 61, 11.748,
111.170

■ 60, 36.128,
108.629

■ 62, 3.372, 112.020

■ 62, 5.032, 292.875

■ 60, 43.642,
107.863

■ 63, 13.434,
293.683

■ 60, 50.522,
107.192

■ 63, 21.811,
294.461

■ 60, 56.447,
106.663

■ 64, 30.148,
295.204

■ 60, 61.039,
106.329

■ 65, 38.433,
295.909

■ 59, 63.986,
106.231

■ 65, 46.655,
296.574

■ 59, 65.330,

106.230

■ 66, 54.807,
297.200

Harmonies

Complementary

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



61, 20.049, 110.304



49, 21.179, 294.823

Rectangle

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



61, 20.049, 110.304



61, 20.049, 160.304



61, 20.049, 290.304



61, 20.049, 340.304

Sweetspot

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



61, 20.050, 110.308



78, 7.240, 111.759



52, 14.509, 25.108



41, 4.691, 111.716



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



61, 20.050, 110.308



77, 29.757, 109.832



60, 21.731, 129.747



31, 4.686, 111.584



55, 61.429, 106.205



3, 4.118, 112.368

Inverse Universe

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



49, 21.179, 294.823



60, 31.891, 295.530



51, 22.358, 311.850



29, 4.786, 293.206



15, 84.307, 306.521



0, 4.119, 292.369

Previews

White Background



This preview shows how the CIELCh color 61, 20.049, 110.304 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, 20.049, 110.304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

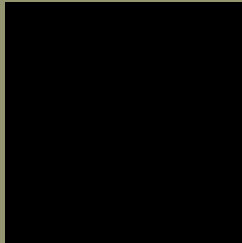
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 20.049, 110.304

Background



This preview shows how black text looks on a background with the CIELCh color 61, 20.049, 110.304.



This preview shows how white text looks on a background with the CIELCh color 61, 20.049, 110.304.

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, 20.049, 110.304

Protanopia

61, 20.002, 95.702

Deuteranopia

61, 19.461, 65.749



Tritanopia
61, 7.622, 317.593

Trichromacy



Original Color
61, 20.049, 110.304

Protanomaly
61, 19.680, 100.565

Deuteranomaly
61, 18.209, 82.019

Tritanomaly
61, 3.416, 74.550

Monochromacy



Original Color
61, 20.049, 110.304

Achromatopsia
60, 0.008, 296.813

Achromatomaly
61, 7.307, 112.477

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 20.049, 110.304 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(148, 150, 114)` looks like.

```
.text, #text, p{  
    color:rgb(148, 150, 114)  
}
```

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(148, 150, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 150, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 20.049, 110.304 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(148, 150, 114) }
```

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

```
.border{ border-color:rgb(148, 150, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 150, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 150, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 150, 114);  
box-shadow:4px 4px 4px 4px rgb(148, 150,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 20.049, 110.304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 150, 114) }
```

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

```
.background{ background-color: rgb(148,  
150, 114) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor