

Converting Colors

CIELCh(62, 30.416, 101.077)

Have a look what the booklet for
CIELCh(62, 30.416, 101.077)
contains.

CIELCh(62, 30.460, 101.019)	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(62, 30.460, 101.019)

Conversions

Conversions Part 1

Format	Color
Hex	9E9760
RGB	158, 151, 96
RGB Percent	62%, 59%, 38%
CMY	0.3790, 0.4065, 0.6222
CMYK	0.00, 0.04, 0.39, 0.38
HSL	53°, 24%, 50%
HSV	53°, 39%, 62%
XYZ	27.4214, 30.4025, 15.5693
YIQ	146.8230, 21.8270, -15.6210

Conversions

Conversions Part 2

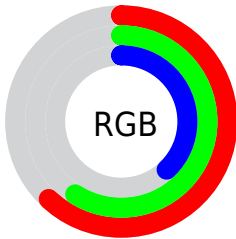
Format	Color
RYB	104, 158, 96
Decimal	10393440
CIELab	62.00, -5.82, 29.90
CIELCh	62, 30.460, 101.019
Yxy	30.4025, 0.3736, 0.4142
Android (android.graphics.Color)	4288583520 (0xFF9E9760)
YUV	146.8230, -25.0557, 9.8022
Hunter-Lab	55.1385, -7.7211, 21.8554

Details

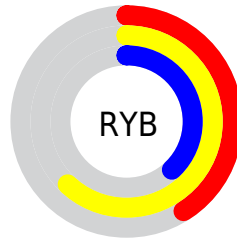
The CIELCh color $62, 30.460, 101.019$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $45, 32.796, 290.639$, and the grayscale version is $61, 0.008, 296.813$.

A 20% lighter version of the original color is $82, 30.584, 100.635$, and $42, 30.448, 101.030$ is the 20% darker color. If you saturate the color by 10%, you get $61, 37.927, 99.954$, and if you desaturate by 10%, it is $63, 22.777, 102.098$.

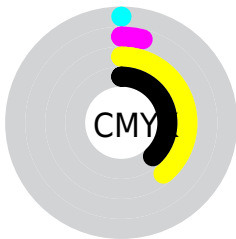
Distribution



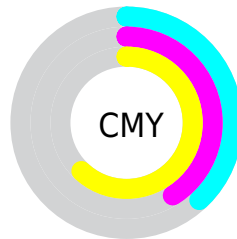
- Red (62%)
- Green (59%)
- Blue (38%)



- Red (41%)
- Yellow (62%)
- Blue (38%)



- Cyan (0%)
- Magenta (4%)
- Yellow (39%)
- Black (38%)





- Cyan (38%)
- Magenta (41%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 30.460, 101.019 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 62, 30.460, 101.019 by changing the saturation by 10% instead.


 62, 30.460,
101.019


 62, 30.460,
101.019


 100, 30.460,
101.019


 52, 30.460,
101.019


 82, 30.460,
101.019

 42, 30.460,
101.019

 92, 30.460,
101.019

 32, 30.460,
101.019

 22, 30.460,
101.019

 12, 30.460,
101.019

 2, 30.460, 101.019

 0, 30.460, 101.019

62, 30.460,
101.019

62, 30.460,
101.019

61, 37.927, 99.954

63, 22.777,
102.098

61, 44.994, 98.908

64, 14.988,
103.166

60, 51.378, 97.900

59, 56.680, 96.943

64, 7.163, 104.212

59, 60.430, 96.041

65, 0.657, 285.397

58, 62.622, 95.181

66, 8.447, 286.259

58, 62.797, 95.111

67, 16.193,
287.211

68, 23.884,
288.126

69, 31.517,
288.999

■ 70, 39.087,
289.828

Harmonies

Complementary

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



62, 30.460, 101.019



45, 32.796, 290.639

Rectangle

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



62, 30.460, 101.019



62, 30.460, 151.019



62, 30.460, 281.019



62, 30.460, 331.019

Sweetspot

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



62, 30.461, 101.023



82, 11.645, 103.895



48, 26.967, 14.257



43, 7.787, 103.769



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



62, 30.461, 101.023



78, 45.070, 100.088



62, 35.359, 122.915



33, 4.411, 104.204



53, 58.256, 95.186



4, 5.646, 104.008

Inverse Universe

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



45, 32.796, 290.639



53, 49.679, 292.367



46, 37.934, 307.221



31, 4.484, 286.189



17, 81.044, 304.333



1, 5.822, 285.457

Previews

White Background



This preview shows how the CIELCh color 62, 30.460, 101.019 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 62, 30.460, 101.019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

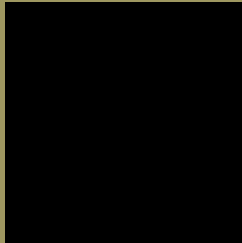
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 30.460, 101.019

Background



This preview shows how black text looks on a background with the CIELCh color 62, 30.460, 101.019.



This preview shows how white text looks on a background with the CIELCh color 62, 30.460, 101.019.

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

62, 30.460, 101.019

Protanopia

62, 30.371, 96.018

Deuteranopia

62, 30.297, 74.599



Tritanopia
62, 10.225, 343.393

Trichromacy



Original Color
62, 30.460, 101.019

Protanomaly
62, 30.206, 97.654

Deuteranomaly
62, 29.695, 84.374

Tritanomaly
62, 9.771, 67.596

Monochromacy



Original Color
62, 30.460, 101.019

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 11.205, 104.759

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 30.460, 101.019 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(158, 151, 96)` looks like.

```
.text, #text, p{  
    color:rgb(158, 151, 96)  
}
```

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(158, 151, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 151, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 30.460, 101.019 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(158, 151, 96) }
```

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

```
.border{ border-color:rgb(158, 151, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 151, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 151, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 151, 96);  
box-shadow:4px 4px 4px 4px rgb(158, 151,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 30.460, 101.019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 151, 96) }
```

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

```
.background{ background-color: rgb(158,  
151, 96) }
```

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