

Converting Colors

CIELCh(62, 41.383, 135.105)

Have a look what the booklet for
CIELCh(62, 41.383, 135.105)
contains.

CIELCh(62, 41.905, 135.069)	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, 41.905, 135.069)

Conversions

Conversions Part 1

Format	Color
Hex	71A360
RGB	113, 163, 96
RGB Percent	44%, 64%, 38%
CMY	0.5581, 0.3621, 0.6247
CMYK	0.31, 0.00, 0.41, 0.36
HSL	105°, 27%, 51%
HSV	105°, 41%, 64%
XYZ	21.9023, 30.4025, 15.7050
YIQ	140.4120, -8.2930, -31.4370

Conversions

Conversions Part 2

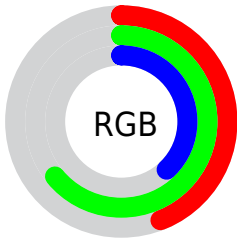
Format	Color
RYB	96, 163, 146
Decimal	7447392
CIELab	62.00, -29.67, 29.60
CIELCh	62, 41.905, 135.069
Yxy	30.4025, 0.3220, 0.4470
Android (android.graphics.Color)	4285637472 (0xFF71A360)
YUV	140.4120, -21.8951, -24.0403
Hunter-Lab	55.1385, -25.5880, 21.7095

Details

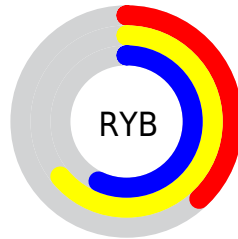
The CIELCh color $62, 41.905, 135.069$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $48, 42.916, 318.911$, and the grayscale version is $58, 0.007, 296.813$.

A 20% lighter version of the original color is $82, 41.878, 134.708$, and $42, 41.987, 135.085$ is the 20% darker color. If you saturate the color by 10%, you get $61, 51.560, 134.474$, and if you desaturate by 10%, it is $63, 31.876, 135.657$.

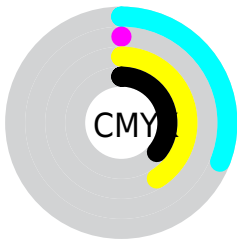
Distribution



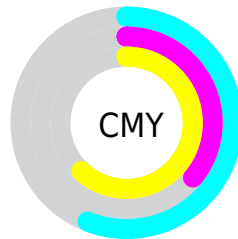
- Red (44%)
- Green (64%)
- Blue (38%)



- Red (38%)
- Yellow (64%)
- Blue (57%)



- Cyan (31%)
- Magenta (0%)
- Yellow (41%)
- Black (36%)





- Cyan (56%)
- Magenta (36%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 41.905, 135.069 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, 41.905, 135.069 by changing the saturation by 10% instead.


 62, 41.905,
135.069


 62, 41.905,
135.069


 100, 41.905,
135.069


 52, 41.905,
135.069


 82, 41.905,
135.069

 42, 41.905,
135.069

 92, 41.905,
135.069

 32, 41.905,
135.069

 22, 41.905,
135.069

 12, 41.905,
135.069

 2, 41.905, 135.069

 0, 41.905, 135.069

■ 62, 41.905,
135.069

■ 62, 41.905,
135.069

■ 61, 51.560,
134.474

■ 63, 31.876,
135.657

■ 60, 60.580,
133.920

■ 64, 21.660,
136.207

■ 60, 68.624,
133.493

■ 65, 11.396,
136.710

■ 59, 75.277,
133.307

■ 67, 1.184, 137.277

■ 59, 80.136,
133.481

■ 68, 8.904, 317.505

■ 59, 83.117,
133.819

■ 70, 18.818,
317.850

■ 71, 28.526,
318.144

■ 73, 38.007,
318.394

■ 75, 47.251,
318.609

Harmonies

Complementary

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



62, 41.905, 135.069



48, 42.916, 318.911

Rectangle

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



62, 41.905, 135.069



62, 41.905, 185.069



62, 41.905, 315.069



62, 41.905, 5.069

Sweetspot

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



62, 41.906, 135.070



83, 15.170, 136.659



61, 28.504, 91.031



44, 10.148, 136.600



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



62, 41.906, 135.070



78, 61.268, 134.548



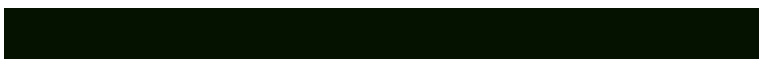
61, 38.425, 148.312



34, 5.779, 136.801



53, 76.428, 133.709



4, 9.041, 137.917

Inverse Universe

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



48, 42.916, 318.911



58, 62.982, 319.227



50, 38.613, 334.488



32, 5.818, 317.554



28, 78.065, 319.030



1, 8.847, 315.491

Previews

White Background



This preview shows how the CIELCh color 62, 41.905, 135.069 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, 41.905, 135.069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

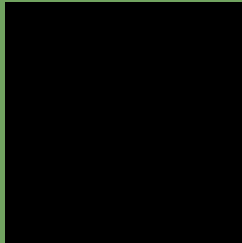
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 41.905, 135.069

Background



This preview shows how black text looks on a background with the CIELCh color 62, 41.905, 135.069.



This preview shows how white text looks on a background with the CIELCh color 62, 41.905, 135.069.

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, 41.905, 135.069

Protanopia
62, 32.595, 95.622

Deuteranopia
62, 29.082, 74.360



Tritanopia
62, 12.336, 235.148

Trichromacy



Original Color
62, 41.905, 135.069

Protanomaly
62, 33.620, 113.074

Deuteranomaly
61, 28.809, 102.610

Tritanomaly
62, 16.389, 164.702

Monochromacy



Original Color
62, 41.905, 135.069

Achromatopsia
58, 0.007, 296.813

Achromatomaly
59, 15.356, 136.576

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 41.905, 135.069 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(113, 163, 96)` looks like.

```
.text, #text, p{  
    color:rgb(113, 163, 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(113, 163, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 163, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 41.905, 135.069 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(113, 163, 96) }
```

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

```
.border{ border-color:rgb(113, 163, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 163, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 163, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 163, 96);  
box-shadow:4px 4px 4px 4px rgb(113, 163,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 41.905, 135.069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 163, 96) }
```

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

```
.background{ background-color: rgb(113,  
163, 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