

Converting Colors

CIELCh(62, 82.679, 139.408)

Have a look what the booklet for
CIELCh(62, 82.679, 139.408)
contains.

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Color

CIELCh(62, 82.746, 139.407)

Conversions

Conversions Part 1

Format	Color
Hex	02AE29
RGB	2, 174, 41
RGB Percent	1%, 68%, 16%
CMY	0.9938, 0.3180, 0.8396
CMYK	0.99, 0.00, 0.76, 0.32
HSL	134°, 98%, 34%
HSV	134°, 99%, 68%
XYZ	15.5345, 30.4025, 7.1375
YIQ	107.4100, -59.8190, -77.8270

Conversions

Conversions Part 2

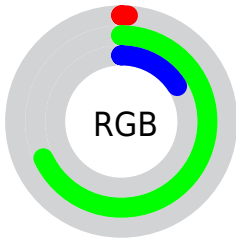
Format	Color
RYB	2, 142, 174
Decimal	175657
CIELab	62.00, -62.83, 53.84
CIELCh	62, 82.746, 139.407
Yxy	30.4025, 0.2927, 0.5728
Android (android.graphics.Color)	4278365737 (0xFF02AE29)
YUV	107.4100, -32.7401, -92.4446
Hunter-Lab	55.1385, -46.2024, 30.9221

Details

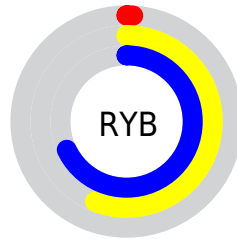
The CIELCh color **62, 82.746, 139.407** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **39, 72.723, 339.748**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **82, 82.801, 139.492**, and **43, 68.595, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **62, 83.129, 139.279**, and if you desaturate by 10%, it is **62, 78.009, 141.058**.

Distribution



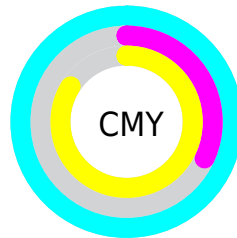
- Red (1%)
- Green (68%)
- Blue (16%)



- Red (1%)
- Yellow (56%)
- Blue (68%)



- Cyan (99%)
- Magenta (0%)
- Yellow (76%)
- Black (32%)





- Cyan (99%)
- Magenta (32%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 82.746, 139.407 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, 82.746, 139.407 by changing the saturation by 10% instead.

 62, 82.746,
139.407


 62, 82.746,
139.407


 100, 82.746,
139.407

 52, 82.746,
139.407


 82, 82.746,
139.407

 42, 82.746,
139.407

 92, 82.746,
139.407

 32, 82.746,
139.407

 22, 82.746,
139.407

 12, 82.746,
139.407

 2, 82.746, 139.407

 0, 82.746, 139.407

■ 62, 82.746,
139.407

■ 62, 82.746,
139.407

■ 62, 83.129,
139.279

■ 62, 78.009,
141.058

■ 63, 72.076,
142.767

■ 63, 65.002,
144.389

■ 64, 56.955,
145.869

■ 64, 48.131,
147.185

■ 66, 38.737,
148.337

■ 67, 28.972,
149.339

■ 68, 19.017,

150.208

■ 70, 9.021, 150.972

Harmonies

Complementary

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



62, 82.746, 139.407



39, 72.723, 339.748

Rectangle

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



62, 82.746, 139.407



62, 82.746, 189.407



62, 82.746, 319.407



62, 82.746, 9.407

Sweetspot

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



62, 82.746, 139.408



85, 37.079, 149.204



66, 74.702, 115.503



45, 25.457, 148.799



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



62, 82.746, 139.408



79, 102.193, 138.959



63, 51.600, 163.488



36, 5.602, 150.957



54, 74.341, 139.496



6, 12.167, 150.052

Inverse Universe

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



39, 72.723, 339.748



51, 88.573, 340.120



36, 65.893, 21.872



34, 5.622, 332.087



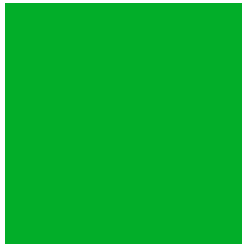
34, 65.567, 339.691



2, 11.152, 334.563

Previews

White Background



This preview shows how the CIELCh color 62, 82.746, 139.407 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, 82.746, 139.407 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, 82.746, 139.407

Background



This preview shows how black text looks on a background with the CIELCh color 62, 82.746, 139.407.



This preview shows how white text looks on a background with the CIELCh color 62, 82.746, 139.407.

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, 82.746, 139.407

Protanopia
61, 58.100, 95.390

Deuteranopia
61, 51.319, 80.647



Tritanopia
62, 27.206, 213.009

Trichromacy



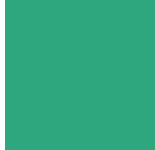
Original Color
62, 82.746, 139.407



Protanomaly
60, 64.490, 123.477



Deuteranomaly
59, 55.682, 119.752



Tritanomaly
61, 43.906, 164.953

Monochromacy



Original Color
62, 82.746, 139.407



Achromatopsia
45, 0.006, 296.813



Achromatomaly
50, 37.013, 147.454

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 82.746, 139.407 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(2, 174, 41)` looks like.

```
.text, #text, p{  
    color:rgb(2, 174, 41)  
}
```

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(2, 174, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 174, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 82.746, 139.407 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(2, 174, 41) }
```

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

```
.border{ border-color:rgb(2, 174, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 174, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 174, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 174, 41);  
box-shadow:4px 4px 4px 4px rgb(2, 174, 41)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 62, 82.746, 139.407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 174, 41) }
```

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

```
.background{ background-color: rgb(2, 174,  
41) }
```

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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