

Converting Colors

CIELCh(62, 84.066, 136.630)

Have a look what the booklet for
CIELCh(62, 84.066, 136.630)
contains.

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Color

CIELCh(62, 83.990, 136.575)

Conversions

Conversions Part 1

Format	Color
Hex	21AD1C
RGB	33, 173, 28
RGB Percent	13%, 68%, 11%
CMY	0.8687, 0.3205, 0.8889
CMYK	0.81, 0.00, 0.84, 0.32
HSL	118°, 72%, 40%
HSV	118°, 84%, 68%
XYZ	15.8492, 30.4025, 6.1527
YIQ	114.6100, -36.8950, -74.7750

Conversions

Conversions Part 2

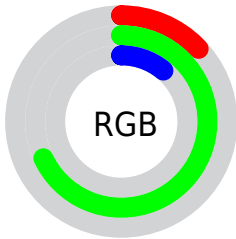
Format	Color
RYB	28, 173, 168
Decimal	2207004
CIELab	62.00, -61.00, 57.74
CIELCh	62, 83.990, 136.575
Yxy	30.4025, 0.3024, 0.5802
Android (android.graphics.Color)	4280397084 (0xFF21AD1C)
YUV	114.6100, -42.6987, -71.5720
Hunter-Lab	55.1385, -45.1837, 31.9810

Details

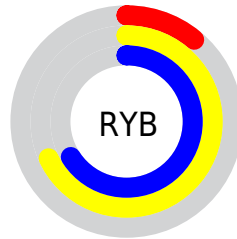
The CIELCh color **62, 83.990, 136.575** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **42, 82.064, 326.827**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **82, 84.043, 136.683**, and **43, 68.185, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **62, 87.869, 136.100**, and if you desaturate by 10%, it is **62, 77.850, 137.362**.

Distribution



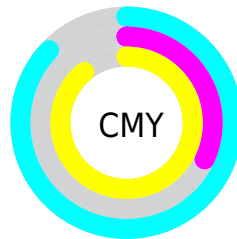
- Red (13%)
- Green (68%)
- Blue (11%)



- Red (11%)
- Yellow (68%)
- Blue (66%)



- Cyan (81%)
- Magenta (0%)
- Yellow (84%)
- Black (32%)





- Cyan (87%)
- Magenta (32%)
- Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 83.990, 136.575 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, 83.990, 136.575 by changing the saturation by 10% instead.


 62, 83.990,
136.575


 62, 83.990,
136.575


 100, 83.990,
136.575


 52, 83.990,
136.575


 82, 83.990,
136.575

 42, 83.990,
136.575

 92, 83.990,
136.575

 32, 83.990,
136.575

 22, 83.990,
136.575

 12, 83.990,
136.575

 2, 83.990, 136.575

 0, 83.990, 136.575

■ 62, 83.990,
136.575

■ 62, 83.990,
136.575

■ 62, 87.869,
136.100

■ 62, 77.850,
137.362

■ 62, 89.453,
135.857

■ 63, 69.812,
138.330

■ 64, 60.339,
139.352

■ 65, 49.866,
140.338

■ 66, 38.753,
141.239

■ 67, 27.291,
142.035

■ 69, 15.703,
142.729

■ 70, 4.160, 143.356

Harmonies

Complementary

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



62, 83.990, 136.575



42, 82.064, 326.827

Rectangle

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



62, 83.990, 136.575



62, 83.990, 186.575



62, 83.990, 316.575



62, 83.990, 6.575

Sweetspot

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



62, 83.990, 136.576



84, 35.616, 141.900



67, 65.638, 100.441



44, 24.258, 141.635



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



62, 83.990, 136.576



78, 108.576, 135.901



63, 62.357, 150.335



36, 6.504, 143.002



54, 80.593, 135.828



6, 13.726, 143.672

Inverse Universe

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



42, 82.064, 326.827



52, 105.108, 326.821



39, 61.622, 352.151



34, 6.518, 323.954



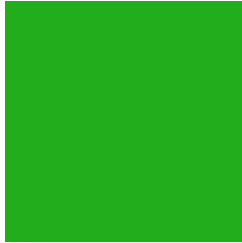
34, 78.092, 326.860



2, 13.628, 323.042

Previews

White Background



This preview shows how the CIELCh color 62, 83.990, 136.575 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, 83.990, 136.575 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, 83.990, 136.575

Background



This preview shows how black text looks on a background with the CIELCh color 62, 83.990, 136.575.

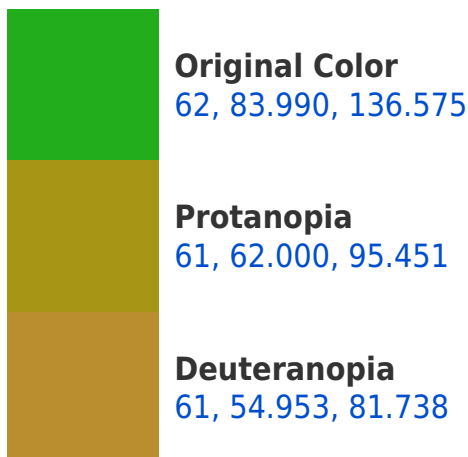



This preview shows how white text looks on a background with the CIELCh color 62, 83.990, 136.575.

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





Tritanopia
62, 25.804, 214.002

Trichromacy



Original Color
62, 83.990, 136.575



Protanomaly
60, 66.533, 118.583



Deuteranomaly
60, 58.164, 113.571



Tritanomaly
61, 42.764, 160.637

Monochromacy



Original Color
62, 83.990, 136.575



Achromatopsia
48, 0.006, 296.813



Achromatomaly
52, 36.705, 140.789

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 83.990, 136.575 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(33, 173, 28)` looks like.

```
.text, #text, p{  
    color:rgb(33, 173, 28)  
}
```

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(33, 173, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 173, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 83.990, 136.575 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(33, 173, 28) }
```

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

```
.border{ border-color:rgb(33, 173, 28) }
```

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

Here you see how a box with a 4 pixel rgb(33, 173, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 173, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 173, 28);  
box-shadow:4px 4px 4px 4px rgb(33, 173,  
28) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 83.990, 136.575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 173, 28) }
```

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

```
.background{ background-color: rgb(33, 173,  
28) }
```

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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