

Converting Colors

CIELCh(62, 76.435, 140.464)

Have a look what the booklet for
CIELCh(62, 76.435, 140.464)
contains.

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Color

CIELCh(62, 76.435, 140.464)

Conversions

Conversions Part 1

Format	Color
Hex	21AD37
RGB	33, 173, 55
RGB Percent	13%, 68%, 22%
CMY	0.8720, 0.3223, 0.7850
CMYK	0.81, 0.00, 0.68, 0.32
HSL	129°, 68%, 40%
HSV	129°, 81%, 68%
XYZ	16.2062, 30.4025, 8.6048
YIQ	117.6880, -45.5620, -66.3780

Conversions

Conversions Part 2

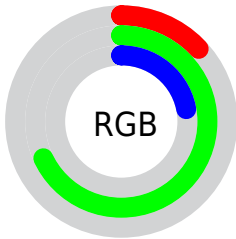
Format	Color
RYB	33, 154, 173
Decimal	2207031
CIELab	62.00, -58.95, 48.66
CIELCh	62, 76.435, 140.464
Yxy	30.4025, 0.2935, 0.5506
Android (android.graphics.Color)	4280397111 (0xFF21AD37)
YUV	117.6880, -30.9052, -74.2714
Hunter-Lab	55.1385, -44.0279, 29.3442

Details

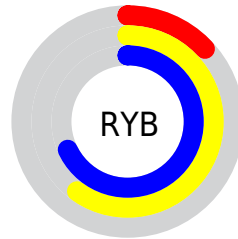
The CIELCh color **62, 76.435, 140.464** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **41, 72.358, 334.262**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 76.801, 140.374**, and **43, 68.185, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **62, 81.962, 138.974**, and if you desaturate by 10%, it is **62, 69.496, 141.964**.

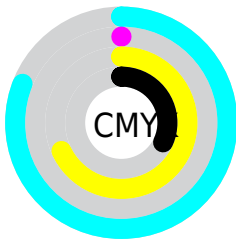
Distribution



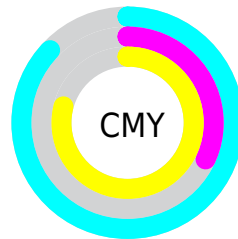
- Red (13%)
- Green (68%)
- Blue (22%)



- Red (13%)
- Yellow (60%)
- Blue (68%)



- Cyan (81%)
- Magenta (0%)
- Yellow (68%)
- Black (32%)




- Cyan (87%)
- Magenta (32%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 76.435, 140.464 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, 76.435, 140.464 by changing the saturation by 10% instead.


 62, 76.435,
140.464


 62, 76.435,
140.464


 100, 76.435,
140.464


 52, 76.435,
140.464


 82, 76.435,
140.464

 42, 76.435,
140.464

 92, 76.435,
140.464

 32, 76.435,
140.464

 22, 76.435,
140.464

 12, 76.435,
140.464

 2, 76.435, 140.464

 0, 76.435, 140.464

■ 62, 76.435,
140.464

■ 62, 76.435,
140.464

■ 62, 81.962,
138.974

■ 62, 69.496,
141.964

■ 62, 85.634,
137.832

■ 63, 61.376,
143.385

■ 64, 52.327,
144.677

■ 65, 42.600,
145.822

■ 66, 32.430,
146.819

■ 67, 22.022,
147.683

■ 69, 11.549,
148.433

■ 70, 1.143, 149.280

Harmonies

Complementary

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



62, 76.435, 140.464



41, 72.358, 334.262

Rectangle

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



62, 76.435, 140.464



62, 76.435, 190.464



62, 76.435, 320.464



62, 76.435, 10.464

Sweetspot

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



62, 76.435, 140.464



85, 30.969, 147.411



67, 67.558, 111.307



44, 21.243, 147.113



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, 76.435, 140.464



78, 103.441, 137.930



63, 49.795, 162.150



36, 5.893, 148.560



54, 77.025, 137.999



6, 12.671, 148.174

Inverse Universe

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



41, 72.358, 334.262



52, 92.371, 335.585



39, 57.908, 7.466



34, 5.908, 329.635



34, 69.030, 335.579



2, 11.879, 331.224

Previews

White Background



This preview shows how the CIELCh color 62, 76.435, 140.464 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, 76.435, 140.464 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, 76.435, 140.464

Background



This preview shows how black text looks on a background with the CIELCh color 62, 76.435, 140.464.



This preview shows how white text looks on a background with the CIELCh color 62, 76.435, 140.464.

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, 76.435, 140.464

Protanopia

61, 53.272, 95.728

Deuteranopia

61, 46.504, 80.023



Tritanopia
62, 26.258, 214.990

Trichromacy



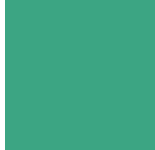
Original Color
62, 76.435, 140.464



Protanomaly
60, 58.401, 121.407



Deuteranomaly
60, 49.935, 116.951



Tritanomaly
61, 39.419, 167.037

Monochromacy



Original Color
62, 76.435, 140.464



Achromatopsia
49, 0.007, 296.813



Achromatomaly
53, 32.050, 146.256

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 76.435, 140.464 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, 55)` looks like.

```
.text, #text, p{  
    color:rgb(33, 173, 55)  
}
```

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, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 173, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 76.435, 140.464 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, 55) }
```

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

```
.border{ border-color:rgb(33, 173, 55) }
```

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, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 173, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 173, 55);  
box-shadow:4px 4px 4px 4px rgb(33, 173,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 76.435, 140.464 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, 55) }
```

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

```
.background{ background-color: rgb(33, 173,  
55) }
```

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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