

Converting Colors

CIELCh(62, 75.475, 142.016)

Have a look what the booklet for
CIELCh(62, 75.475, 142.016)
contains.

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Color

CIELCh(62, 75.431, 142.022)

Conversions

Conversions Part 1

Format	Color
Hex	17AD3C
RGB	23, 173, 60
RGB Percent	9%, 68%, 24%
CMY	0.9096, 0.3215, 0.7646
CMYK	0.87, 0.00, 0.65, 0.32
HSL	135°, 76%, 38%
HSV	135°, 87%, 68%
XYZ	16.1170, 30.4025, 9.2959
YIQ	115.2680, -53.1270, -66.9430

Conversions

Conversions Part 2

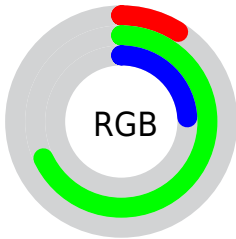
Format	Color
R_{YB}	23, 143, 173
Decimal	1551676
CIE _{Lab}	62.00, -59.46, 46.42
CIE _{LCh}	62, 75.431, 142.022
Yxy	30.4025, 0.2888, 0.5447
Android (android.graphics.Color)	4279741756 (0xFF17AD3C)
YUV	115.2680, -27.2471, -80.9190
Hunter-Lab	55.1385, -44.3167, 28.6012

Details

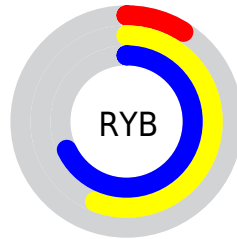
The CIELCh color **62, 75.431, 142.022** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **40, 69.893, 339.283**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 75.508, 141.958**, and **43, 68.185, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **62, 80.454, 140.261**, and if you desaturate by 10%, it is **62, 69.257, 143.757**.

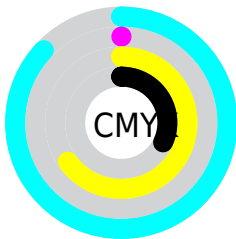
Distribution



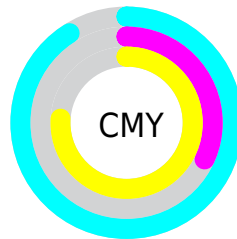
- Red (9%)
- Green (68%)
- Blue (24%)



- Red (9%)
- Yellow (56%)
- Blue (68%)



- Cyan (87%)
- Magenta (0%)
- Yellow (65%)
- Black (32%)





- Cyan (91%)
- Magenta (32%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 75.431, 142.022 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, 75.431, 142.022 by changing the saturation by 10% instead.


 62, 75.431,
142.022


 62, 75.431,
142.022


 100, 75.431,
142.022


 52, 75.431,
142.022


 82, 75.431,
142.022

 42, 75.431,
142.022

 92, 75.431,
142.022

 32, 75.431,
142.022

 22, 75.431,
142.022

 12, 75.431,
142.022

 2, 75.431, 142.022

 0, 75.431, 142.022

■ 62, 75.431,
142.022

■ 62, 75.431,
142.022

■ 62, 80.454,
140.261

■ 62, 69.257,
143.757

■ 62, 81.920,
139.742

■ 63, 62.030,
145.372

■ 64, 53.912,
146.828

■ 64, 45.089,
148.115

■ 65, 35.759,
149.238

■ 67, 26.111,
150.214

■ 68, 16.312,
151.062

■ 70, 6.501, 151.820

Harmonies

Complementary

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



62, 75.431, 142.022



40, 69.893, 339.283

Rectangle

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



62, 75.431, 142.022



62, 75.431, 192.022



62, 75.431, 322.022



62, 75.431, 12.022

Sweetspot

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



62, 75.431, 142.022



84, 31.436, 150.234



66, 71.099, 115.604



44, 21.268, 149.925



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, 75.431, 142.022



78, 100.250, 139.412



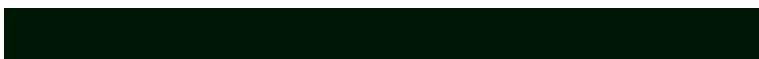
63, 47.245, 167.341



36, 5.527, 151.625



54, 73.534, 139.961



6, 12.038, 150.570

Inverse Universe

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



40, 69.893, 339.283



50, 86.683, 341.336



38, 61.140, 16.973



34, 5.549, 332.772



33, 64.726, 340.868



2, 10.976, 335.469

Previews

White Background



This preview shows how the CIELCh color 62, 75.431, 142.022 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, 75.431, 142.022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

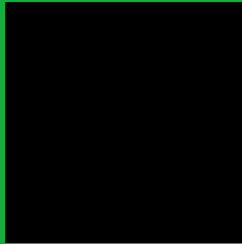
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 75.431, 142.022

Background



This preview shows how black text looks on a background with the CIELCh color 62, 75.431, 142.022.



This preview shows how white text looks on a background with the CIELCh color 62, 75.431, 142.022.

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, 75.431, 142.022

Protanopia
62, 51.210, 95.645

Deuteranopia
61, 44.219, 79.051



Tritanopia
62, 27.015, 213.137

Trichromacy



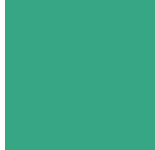
Original Color
62, 75.431, 142.022



Protanomaly
60, 56.612, 123.852



Deuteranomaly
59, 48.124, 119.675



Tritanomaly
61, 40.083, 168.429

Monochromacy



Original Color
62, 75.431, 142.022



Achromatopsia
48, 0.006, 296.813



Achromatomaly
52, 31.887, 148.796

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 75.431, 142.022 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(23, 173, 60)` looks like.

```
.text, #text, p{  
    color:rgb(23, 173, 60)  
}
```

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(23, 173, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 173, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 75.431, 142.022 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(23, 173, 60) }
```

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

```
.border{ border-color:rgb(23, 173, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 173, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 173, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 173, 60);  
box-shadow:4px 4px 4px 4px rgb(23, 173,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 75.431, 142.022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 173, 60) }
```

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

```
.background{ background-color: rgb(23, 173,  
60) }
```

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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