

Converting Colors

CIELCh(62, 69.088, 142.009)

Have a look what the booklet for
CIELCh(62, 69.088, 142.009)
contains.

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Color

CIELCh(62, 69.333, 142.034)

Conversions

Conversions Part 1

Format	Color
Hex	30AC45
RGB	48, 172, 69
RGB Percent	19%, 67%, 27%
CMY	0.8102, 0.3272, 0.7310
CMYK	0.72, 0.00, 0.60, 0.33
HSL	130°, 56%, 43%
HSV	130°, 72%, 67%
XYZ	16.9699, 30.4025, 10.5394
YIQ	123.1820, -40.8410, -58.3210

Conversions

Conversions Part 2

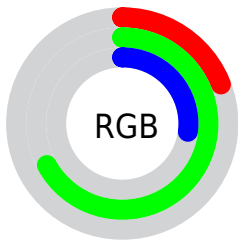
Format	Color
RYB	48, 154, 172
Decimal	3189829
CIELab	62.00, -54.66, 42.65
CIELCh	62, 69.333, 142.034
Yxy	30.4025, 0.2930, 0.5250
Android (android.graphics.Color)	4281379909 (0xFF30AC45)
YUV	123.1820, -26.7117, -65.9346
Hunter-Lab	55.1385, -41.5558, 27.2640

Details

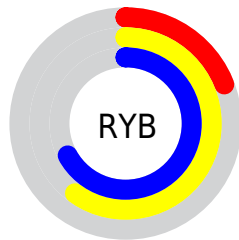
The CIELCh color **62, 69.333, 142.034** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **43, 67.123, 333.867**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 69.328, 142.016**, and **43, 64.686, 137.948** is the 20% darker color. If you saturate the color by 10%, you get **62, 76.148, 140.519**, and if you desaturate by 10%, it is **63, 61.347, 143.470**.

Distribution



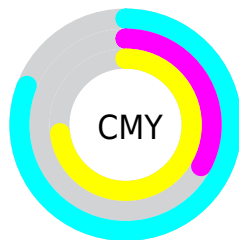
- Red (19%)
- Green (67%)
- Blue (27%)



- Red (19%)
- Yellow (60%)
- Blue (67%)



- Cyan (72%)
- Magenta (0%)
- Yellow (60%)
- Black (33%)





- Cyan (81%)
- Magenta (33%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 69.333, 142.034 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, 69.333, 142.034 by changing the saturation by 10% instead.


 62, 69.333,
142.034


 62, 69.333,
142.034


 100, 69.333,
142.034


 52, 69.333,
142.034


 82, 69.333,
142.034

 42, 69.333,
142.034

 92, 69.333,
142.034

 32, 69.333,
142.034

 22, 69.333,
142.034

 12, 69.333,
142.034

 2, 69.333, 142.034

 0, 69.333, 142.034

■ 62, 69.333,
142.034

■ 62, 69.333,
142.034

■ 62, 76.148,
140.519

■ 63, 61.347,
143.470

■ 61, 81.570,
139.012

■ 63, 52.434,
144.775

■ 61, 84.955,
137.942

■ 64, 42.838,
145.932

■ 65, 32.790,
146.941

■ 67, 22.497,
147.815

■ 68, 12.128,
148.574

■ 70, 1.817, 149.343

■ 72, 8.334, 329.720

■ 74, 18.257,
330.220

Harmonies

Complementary

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



62, 69.333, 142.034



43, 67.123, 333.867

Rectangle

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



62, 69.333, 142.034



62, 69.333, 192.034



62, 69.333, 322.034



62, 69.333, 12.034

Sweetspot

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



62, 69.333, 142.034



84, 28.006, 147.766



67, 62.006, 111.438



44, 18.971, 147.548



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, 69.333, 142.034



78, 96.223, 139.649



63, 45.602, 163.867



36, 5.868, 148.748



54, 76.830, 138.105



6, 12.629, 148.322

Inverse Universe

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



43, 67.123, 333.867



52, 89.309, 334.995



41, 52.971, 4.216



34, 5.884, 329.827



34, 68.732, 335.895



2, 11.816, 331.491

Previews

White Background



This preview shows how the CIELCh color 62, 69.333, 142.034 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, 69.333, 142.034 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, 69.333, 142.034

Background



This preview shows how black text looks on a background with the CIELCh color 62, 69.333, 142.034.

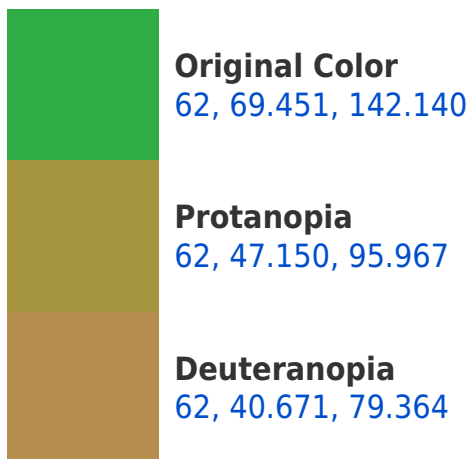


This preview shows how white text looks on a background with the CIELCh color 62, 69.333, 142.034.

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, 25.179, 214.472

Trichromacy



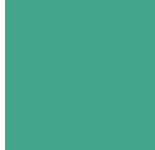
Original Color
62, 69.451, 142.140



Protanomaly
61, 51.449, 121.391



Deuteranomaly
60, 43.526, 116.976



Tritanomaly
62, 36.021, 169.391

Monochromacy



Original Color
62, 69.451, 142.140



Achromatopsia
52, 0.007, 296.813



Achromatomaly
55, 28.227, 146.710

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 69.333, 142.034 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(48, 172, 69)` looks like.

```
.text, #text, p{  
    color:rgb(48, 172, 69)  
}
```

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(48, 172, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 172, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 69.333, 142.034 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(48, 172, 69) }
```

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

```
.border{ border-color:rgb(48, 172, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 172, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 172, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 172, 69);  
box-shadow:4px 4px 4px 4px rgb(48, 172,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 69.333, 142.034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 172, 69) }
```

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

```
.background{ background-color: rgb(48, 172,  
69) }
```

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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