

Converting Colors

CIELCh(61, 72.643, 142.172)

Have a look what the booklet for
CIELCh(61, 72.643, 142.172)
contains.

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Color

CIELCh(61, 72.723, 142.185)

Conversions

Conversions Part 1

Format	Color
Hex	1EAA3E
RGB	30, 170, 62
RGB Percent	12%, 67%, 24%
CMY	0.8809, 0.3347, 0.7581
CMYK	0.82, 0.00, 0.64, 0.33
HSL	133°, 70%, 39%
HSV	133°, 82%, 67%
XYZ	15.7180, 29.2481, 9.3293
YIQ	115.8280, -48.7720, -63.2680

Conversions

Conversions Part 2

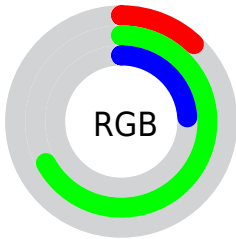
Format	Color
R_{YB}	30, 144, 170
Decimal	2009662
CIE _{Lab}	61.00, -57.45, 44.59
CIE _{LCh}	61, 72.723, 142.185
Yxy	29.2481, 0.2895, 0.5387
Android (android.graphics.Color)	4280199742 (0xFF1EAA3E)
YUV	115.8280, -26.5372, -75.2712
Hunter-Lab	54.0815, -42.7642, 27.6293

Details

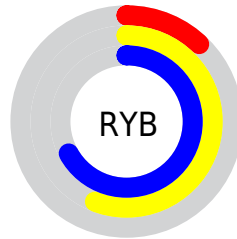
The CIELCh color **61, 72.723, 142.185** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **40, 68.522, 337.586**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 72.839, 142.249**, and **42, 66.363, 136.380** is the 20% darker color. If you saturate the color by 10%, you get **61, 78.194, 140.479**, and if you desaturate by 10%, it is **61, 66.087, 143.830**.

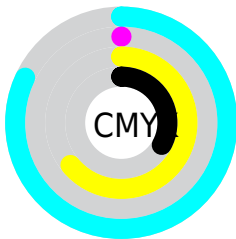
Distribution



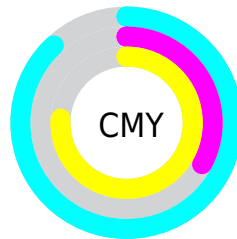
- Red (12%)
- Green (67%)
- Blue (24%)



- Red (12%)
- Yellow (56%)
- Blue (67%)



- Cyan (82%)
- Magenta (0%)
- Yellow (64%)
- Black (33%)





- Cyan (88%)
- Magenta (33%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 72.723, 142.185 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 61, 72.723, 142.185 by changing the saturation by 10% instead.

 61, 72.723,
142.185


 61, 72.723,
142.185


 100, 72.723,
142.185


 51, 72.723,
142.185


 81, 72.723,
142.185

 41, 72.723,
142.185

 91, 72.723,
142.185

 31, 72.723,
142.185

 21, 72.723,
142.185

 11, 72.723,
142.185

 1, 72.723, 142.185

 0, 72.723, 142.185

■ 61, 72.723,
142.185

■ 61, 72.723,
142.185

■ 61, 78.194,
140.479

■ 61, 66.087,
143.830

■ 61, 81.712,
139.234

■ 62, 58.442,
145.348

■ 63, 49.974,
146.707

■ 64, 40.887,
147.902

■ 65, 31.380,
148.943

■ 66, 21.637,
149.845

■ 68, 11.814,
150.633

■ 69, 2.036, 151.420

Harmonies

Complementary

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



61, 72.723, 142.185



40, 68.522, 337.586

Rectangle

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



61, 72.723, 142.185



61, 72.723, 192.185



61, 72.723, 322.185



61, 72.723, 12.185

Sweetspot

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



61, 72.723, 142.185



83, 30.154, 149.558



65, 67.820, 114.647



43, 20.531, 149.256



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



61, 72.723, 142.185



77, 99.209, 139.065



62, 46.008, 166.875



35, 5.478, 150.840



53, 73.509, 139.443



5, 10.195, 150.307

Inverse Universe

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



40, 68.522, 337.586



50, 86.506, 339.744



38, 57.866, 13.447



33, 5.497, 331.962



33, 64.921, 339.463



2, 9.507, 333.904

Previews

White Background



This preview shows how the CIELCh color 61, 72.723, 142.185 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 61, 72.723, 142.185 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 × Fail

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

CIELCh 61, 72.723, 142.185

Background



This preview shows how black text looks on a background with the CIELCh color 61, 72.723, 142.185.

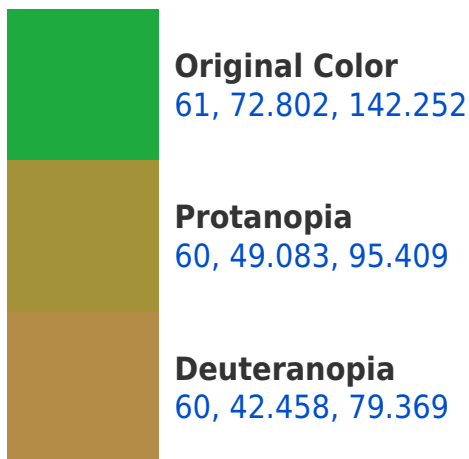



This preview shows how white text looks on a background with the CIELCh color 61, 72.723, 142.185.

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
61, 26.367, 213.620

Trichromacy



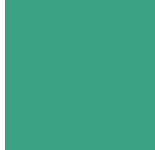
Original Color
61, 72.802, 142.252



Protanomaly
59, 54.441, 122.984



Deuteranomaly
59, 45.445, 118.537



Tritanomaly
61, 38.529, 169.087

Monochromacy



Original Color
61, 72.802, 142.252



Achromatopsia
49, 0.007, 296.813



Achromatomaly
52, 30.732, 148.157

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 72.723, 142.185 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(30, 170, 62)` looks like.

```
.text, #text, p{  
    color:rgb(30, 170, 62)  
}
```

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(30, 170, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 170, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 72.723, 142.185 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(30, 170, 62) }
```

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

```
.border{ border-color:rgb(30, 170, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 170, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 170, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 170, 62);  
box-shadow:4px 4px 4px 4px rgb(30, 170,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 72.723, 142.185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 170, 62) }
```

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

```
.background{ background-color: rgb(30, 170,  
62) }
```

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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