

Converting Colors

CIELCh(61, 68.027, 139.960)

Have a look what the booklet for
CIELCh(61, 68.027, 139.960)
contains.

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Color

CIELCh(61, 68.012, 140.004)

Conversions

Conversions Part 1

Format	Color
Hex	3AA840
RGB	58, 168, 64
RGB Percent	23%, 66%, 25%
CMY	0.7729, 0.3414, 0.7492
CMYK	0.66, 0.00, 0.62, 0.34
HSL	123°, 49%, 44%
HSV	123°, 66%, 66%
XYZ	16.6548, 29.2481, 9.6094
YIQ	123.2540, -32.1760, -55.6640

Conversions

Conversions Part 2

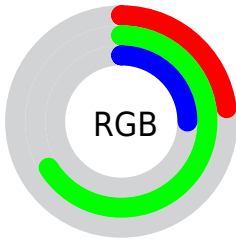
Format	Color
RYB	58, 162, 168
Decimal	3844160
CIELab	61.00, -52.10, 43.71
CIELCh	61, 68.012, 140.004
Yxy	29.2481, 0.3000, 0.5269
Android (android.graphics.Color)	4282034240 (0xFF3AA840)
YUV	123.2540, -29.2122, -57.2278
Hunter-Lab	54.0815, -39.6722, 27.3222

Details

The CIELCh color **61, 68.012, 140.004** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **44, 66.777, 329.367**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 68.115, 139.931**, and **42, 65.173, 136.871** is the 20% darker color. If you saturate the color by 10%, you get **60, 75.579, 138.775**, and if you desaturate by 10%, it is **62, 59.133, 141.218**.

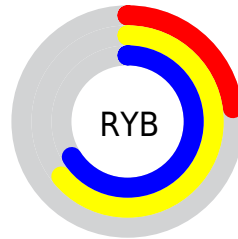
Distribution



Red (23%)

Green (66%)

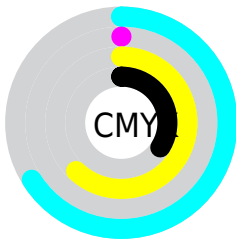
Blue (25%)



Red (23%)

Yellow (64%)

Blue (66%)

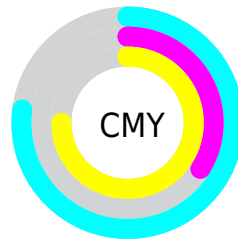


Cyan (66%)

Magenta (0%)

Yellow (62%)

Black (34%)



Cyan (77%)


Magenta (34%)


Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 68.012, 140.004 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, 68.012, 140.004 by changing the saturation by 10% instead.


 61, 68.012,
140.004


 61, 68.012,
140.004


 100, 68.012,
140.004


 51, 68.012,
140.004


 81, 68.012,
140.004

 41, 68.012,
140.004

 91, 68.012,
140.004

 31, 68.012,
140.004

 21, 68.012,
140.004

 11, 68.012,
140.004

 1, 68.012, 140.004

 0, 68.012, 140.004

■ 61, 68.012,
140.004

■ 61, 68.012,
140.004

■ 60, 75.579,
138.775

■ 62, 59.133,
141.218

■ 60, 81.467,
137.641

■ 63, 49.298,
142.346

■ 60, 85.384,
136.742

■ 64, 38.823,
143.354

■ 60, 86.555,
136.512

■ 65, 27.977,
144.235

■ 66, 16.976,
144.996

■ 68, 5.991, 145.668

■ 70, 4.853, 326.130

■ 72, 15.469,
326.633

■ 74, 25.800,
327.039

Harmonies

Complementary

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



61, 68.012, 140.004



44, 66.777, 329.367

Rectangle

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



61, 68.012, 140.004



61, 68.012, 190.004



61, 68.012, 320.004



61, 68.012, 10.004

Sweetspot

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



61, 68.012, 140.004



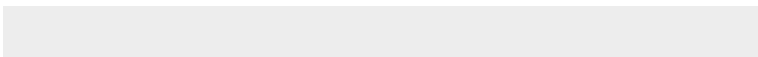
84, 27.241, 144.640



67, 56.378, 106.786



44, 18.564, 144.432



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, 68.012, 140.004



77, 96.044, 138.194



62, 46.069, 158.822



35, 6.183, 145.420



53, 78.687, 136.593



5, 11.302, 145.729

Inverse Universe

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



44, 66.777, 329.367



54, 92.447, 329.938



42, 49.790, 354.993



33, 6.194, 326.432



34, 73.813, 330.494



2, 11.079, 326.557

Previews

White Background



This preview shows how the CIELCh color 61, 68.012, 140.004 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 CIE LCh color 61, 68.012, 140.004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

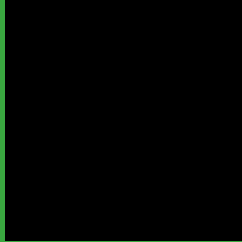
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 68.012, 140.004

Background



This preview shows how black text looks on a background with the CIELCh color 61, 68.012, 140.004.

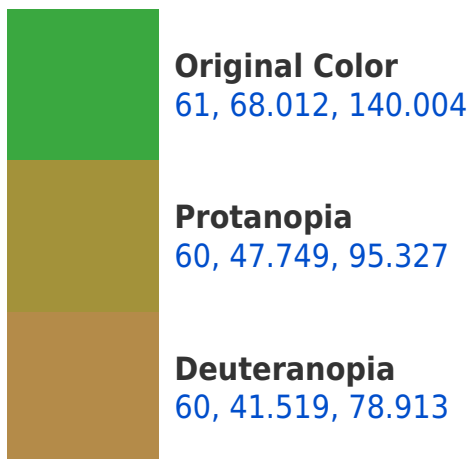


This preview shows how white text looks on a background with the CIELCh color 61, 68.012, 140.004.

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, 23.155, 216.223

Trichromacy



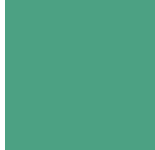
Original Color
61, 68.012, 140.004



Protanomaly
60, 51.333, 118.977



Deuteranomaly
59, 43.609, 113.435



Tritanomaly
60, 34.082, 166.679

Monochromacy



Original Color
61, 68.012, 140.004



Achromatopsia
52, 0.007, 296.813



Achromatomaly
54, 26.656, 144.570

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 68.012, 140.004 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(58, 168, 64)` looks like.

```
.text, #text, p{  
    color:rgb(58, 168, 64)  
}
```

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(58, 168, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 168, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 68.012, 140.004 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(58, 168, 64) }
```

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

```
.border{ border-color:rgb(58, 168, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 168, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 168, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 168, 64);  
box-shadow:4px 4px 4px 4px rgb(58, 168,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 68.012, 140.004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 168, 64) }
```

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

```
.background{ background-color: rgb(58, 168,  
64) }
```

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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