

Converting Colors

CIELCh(61, 63.098, 150.486)

Have a look what the booklet for
CIELCh(61, 63.098, 150.486)
contains.

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Color

CIELCh(61, 63.084, 150.438)

Conversions

Conversions Part 1

Format	Color
Hex	0AA959
RGB	10, 169, 89
RGB Percent	4%, 66%, 35%
CMY	0.9612, 0.3364, 0.6502
CMYK	0.94, 0.00, 0.47, 0.34
HSL	150°, 89%, 35%
HSV	150°, 94%, 66%
XYZ	16.1653, 29.2481, 14.2890
YIQ	112.3390, -69.0840, -58.5880

Conversions

Conversions Part 2

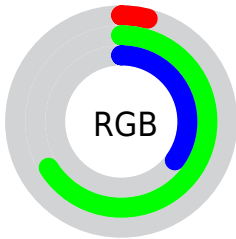
Format	Color
R_{YB}	10, 116, 169
Decimal	698713
CIE _{Lab}	61.00, -54.87, 31.12
CIE _{LCh}	61, 63.084, 150.438
Yxy	29.2481, 0.2708, 0.4899
Android (android.graphics.Color)	4278888793 (0xFF0AA959)
YUV	112.3390, -11.5061, -89.7513
Hunter-Lab	54.0815, -41.2880, 22.1919

Details

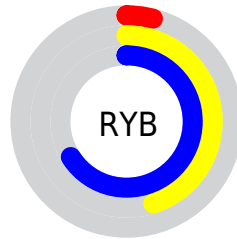
The CIELCh color **61, 63.084, 150.438** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **37, 61.603, 359.298**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **81, 62.812, 150.357**, and **42, 55.238, 143.989** is the 20% darker color. If you saturate the color by 10%, you get **61, 65.433, 149.193**, and if you desaturate by 10%, it is **61, 58.716, 152.574**.

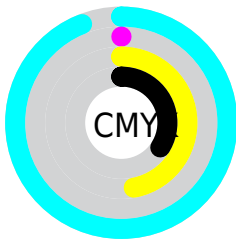
Distribution



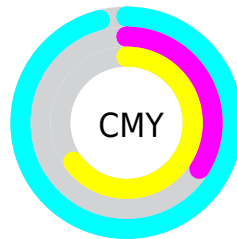
- Red (4%)
- Green (66%)
- Blue (35%)



- Red (4%)
- Yellow (45%)
- Blue (66%)



- Cyan (94%)
- Magenta (0%)
- Yellow (47%)
- Black (34%)




- Cyan (96%)
- Magenta (34%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 63.084, 150.438 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, 63.084, 150.438 by changing the saturation by 10% instead.


 61, 63.084,
150.438


 61, 63.084,
150.438


 100, 63.084,
150.438


 51, 63.084,
150.438


 81, 63.084,
150.438

 41, 63.084,
150.438

 91, 63.084,
150.438

 31, 63.084,
150.438

 21, 63.084,
150.438

 11, 63.084,
150.438

 1, 63.084, 150.438

 0, 63.084, 150.438

■ 61, 63.084,
150.438

■ 61, 63.084,
150.438

■ 61, 65.433,
149.193

■ 61, 58.716,
152.574

■ 62, 53.625,
154.515

■ 62, 47.815,
156.250

■ 63, 41.348,
157.785

■ 64, 34.331,
159.141

■ 65, 26.890,
160.341

■ 66, 19.158,
161.409

■ 67, 11.257,

162.372

■ 69, 3.294, 163.305

Harmonies

Complementary

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



61, 63.084, 150.438



37, 61.603, 359.298

Rectangle

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



61, 63.084, 150.438



61, 63.084, 200.438



61, 63.084, 330.438



61, 63.084, 20.438

Sweetspot

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



61, 63.084, 150.438



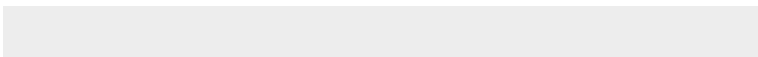
83, 27.355, 160.959



62, 77.815, 126.826



43, 18.794, 160.510



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, 63.084, 150.438



77, 80.110, 148.750



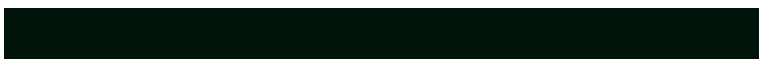
63, 36.924, 194.027



35, 4.481, 162.816



54, 58.933, 149.469



5, 8.602, 159.990

Inverse Universe

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



37, 61.603, 359.298



47, 75.586, 2.316



35, 72.966, 37.559



33, 4.537, 344.242



31, 56.569, 0.970



2, 7.810, 347.466

Previews

White Background



This preview shows how the CIELCh color 61, 63.084, 150.438 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, 63.084, 150.438 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, 63.084, 150.438

Background



This preview shows how black text looks on a background with the CIELCh color 61, 63.084, 150.438.



This preview shows how white text looks on a background with the CIELCh color 61, 63.084, 150.438.

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
61, 63.047, 150.411

Protanopia
61, 36.414, 95.412

Deuteranopia
61, 29.432, 75.455



Tritanopia
61, 28.233, 212.367

Trichromacy



Original Color
61, 63.047, 150.411



Protanomaly
59, 43.288, 133.074



Deuteranomaly
59, 35.008, 131.799



Tritanomaly
61, 37.041, 178.374

Monochromacy



Original Color
61, 63.047, 150.411



Achromatopsia
47, 0.006, 296.813



Achromatomaly
51, 27.859, 159.439

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 63.084, 150.438 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(10, 169, 89)` looks like.

```
.text, #text, p{  
    color:rgb(10, 169, 89)  
}
```

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(10, 169, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 169, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 63.084, 150.438 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(10, 169, 89) }
```

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

```
.border{ border-color:rgb(10, 169, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 169, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 169, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 169, 89);  
box-shadow:4px 4px 4px 4px rgb(10, 169,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 63.084, 150.438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 169, 89) }
```

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

```
.background{ background-color: rgb(10, 169,  
89) }
```

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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