

Converting Colors

CIELCh(61, 78.686, 138.507)

Have a look what the booklet for
CIELCh(61, 78.686, 138.507)
contains.

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Color

CIELCh(61, 78.755, 138.473)

Conversions

Conversions Part 1

Format	Color
Hex	22AA2B
RGB	34, 170, 43
RGB Percent	13%, 67%, 17%
CMY	0.8669, 0.3335, 0.8315
CMYK	0.80, 0.00, 0.75, 0.33
HSL	124°, 67%, 40%
HSV	124°, 80%, 67%
XYZ	15.4602, 29.2481, 7.1122
YIQ	114.8580, -40.2890, -68.3290

Conversions

Conversions Part 2

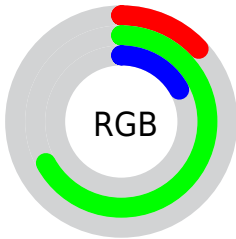
Format	Color
RYB	34, 162, 170
Decimal	2271787
CIELab	61.00, -58.96, 52.21
CIELCh	61, 78.755, 138.473
Yxy	29.2481, 0.2983, 0.5644
Android (android.graphics.Color)	4280461867 (0xFF22AA2B)
YUV	114.8580, -35.4260, -70.9125
Hunter-Lab	54.0815, -43.6151, 30.0599

Details

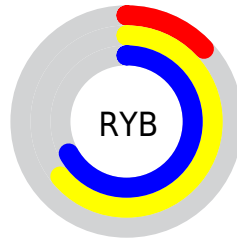
The CIELCh color **61, 78.755, 138.473** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **42, 75.673, 330.366**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **81, 79.043, 138.532**, and **42, 66.952, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **61, 83.901, 137.369**, and if you desaturate by 10%, it is **61, 71.818, 139.715**.

Distribution



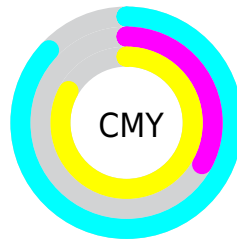
- Red (13%)
- Green (67%)
- Blue (17%)



- Red (13%)
- Yellow (64%)
- Blue (67%)



- Cyan (80%)
- Magenta (0%)
- Yellow (75%)
- Black (33%)





- Cyan (87%)
- Magenta (33%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 78.755, 138.473 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, 78.755, 138.473 by changing the saturation by 10% instead.


 61, 78.755,
138.473


 61, 78.755,
138.473


 100, 78.755,
138.473


 51, 78.755,
138.473


 81, 78.755,
138.473

 41, 78.755,
138.473

 91, 78.755,
138.473

 31, 78.755,
138.473

 21, 78.755,
138.473

 11, 78.755,
138.473

 1, 78.755, 138.473

 0, 78.755, 138.473

■ 61, 78.755,
138.473

■ 61, 78.755,
138.473

■ 61, 83.901,
137.369

■ 61, 71.818,
139.715

■ 61, 87.118,
136.610

■ 62, 63.432,
140.971

■ 63, 53.952,
142.158

■ 64, 43.704,
143.231

■ 65, 32.974,
144.175

■ 66, 22.000,
144.993

■ 68, 10.972,
145.702

■ 70, 0.033, 153.708

■ 71, 10.714,
326.760

Harmonies

Complementary

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



61, 78.755, 138.473



42, 75.673, 330.366

Rectangle

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



61, 78.755, 138.473



61, 78.755, 188.473



61, 78.755, 318.473



61, 78.755, 8.473

Sweetspot

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



61, 78.755, 138.474



84, 32.746, 144.648



67, 65.537, 106.109



44, 22.671, 144.360



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



61, 78.755, 138.474



77, 105.514, 136.696



62, 54.049, 156.182



35, 6.133, 145.752



53, 78.457, 136.714



5, 11.224, 146.014

Inverse Universe

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



42, 75.673, 330.366



52, 98.166, 330.972



39, 57.482, 358.829



33, 6.145, 326.770



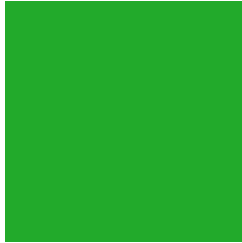
34, 73.151, 331.011



2, 10.958, 327.024

Previews

White Background



This preview shows how the CIELCh color 61, 78.755, 138.473 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, 78.755, 138.473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

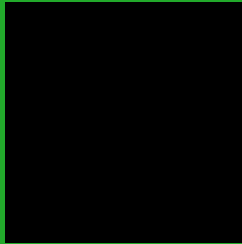
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 78.755, 138.473

Background



This preview shows how black text looks on a background with the CIELCh color 61, 78.755, 138.473.



This preview shows how white text looks on a background with the CIELCh color 61, 78.755, 138.473.

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, 78.755, 138.473

Protanopia
60, 56.291, 95.210

Deuteranopia
61, 50.105, 81.189



Tritanopia
61, 25.547, 214.231

Trichromacy



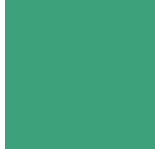
Original Color
61, 78.755, 138.473



Protanomaly
59, 60.964, 119.617



Deuteranomaly
59, 52.777, 115.033



Tritanomaly
60, 40.150, 163.760

Monochromacy



Original Color
61, 78.755, 138.473



Achromatopsia
48, 0.006, 296.813



Achromatomaly
52, 33.050, 143.522

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 78.755, 138.473 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(34, 170, 43)` looks like.

```
.text, #text, p{  
    color:rgb(34, 170, 43)  
}
```

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(34, 170, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 170, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 78.755, 138.473 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(34, 170, 43) }
```

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

```
.border{ border-color:rgb(34, 170, 43) }
```

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

Here you see how a box with a 4 pixel rgb(34, 170, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 170, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 170, 43);  
box-shadow:4px 4px 4px 4px rgb(34, 170,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 78.755, 138.473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 170, 43) }
```

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

```
.background{ background-color: rgb(34, 170,  
43) }
```

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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