

Converting Colors

CIELCh(57, 76.394, 137.259)

Have a look what the booklet for
CIELCh(57, 76.394, 137.259)
contains.

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Color

CIELCh(57, 76.473, 137.199)

Conversions

Conversions Part 1

Format	Color
Hex	219E20
RGB	33, 158, 32
RGB Percent	13%, 62%, 13%
CMY	0.8698, 0.3799, 0.8740
CMYK	0.79, 0.00, 0.80, 0.38
HSL	119°, 66%, 37%
HSV	119°, 80%, 62%
XYZ	13.1413, 24.9227, 5.4934
YIQ	106.2610, -34.0540, -65.6860

Conversions

Conversions Part 2

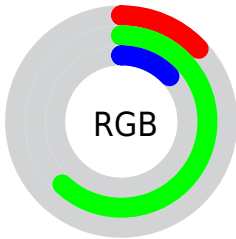
Format	Color
R_{YB}	32, 158, 157
Decimal	2203168
CIE _{Lab}	57.00, -56.11, 51.96
CIE _{LCh}	57, 76.473, 137.199
Yxy	24.9227, 0.3017, 0.5722
Android (android.graphics.Color)	4280393248 (0xFF219E20)
YUV	106.2610, -36.6107, -64.2499
Hunter-Lab	49.9226, -40.3773, 28.4216

Details

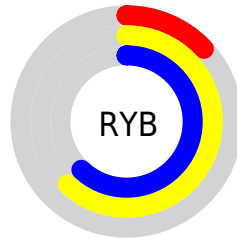
The CIELCh color **57, 76.473, 137.199** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **39, 74.721, 327.687**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **77, 76.582, 137.250**, and **38, 62.381, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **57, 80.959, 136.469**, and if you desaturate by 10%, it is **57, 69.998, 138.175**.

Distribution



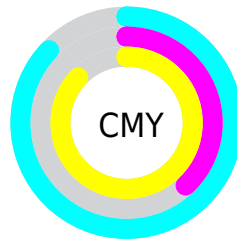
- Red (13%)
- Green (62%)
- Blue (13%)



- Red (13%)
- Yellow (62%)
- Blue (62%)



- Cyan (79%)
- Magenta (0%)
- Yellow (80%)
- Black (38%)





- Cyan (87%)
- Magenta (38%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 76.473, 137.199 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 57, 76.473, 137.199 by changing the saturation by 10% instead.


 57, 76.473,
137.199


 57, 76.473,
137.199


 100, 76.473,
137.199


 47, 76.473,
137.199


 77, 76.473,
137.199

 37, 76.473,
137.199

 87, 76.473,
137.199

 27, 76.473,
137.199

 97, 76.473,
137.199

 17, 76.473,
137.199

 7, 76.473, 137.199

 0, 76.473, 137.199

■ 57, 76.473,
137.199

■ 57, 76.473,
137.199

■ 57, 80.959,
136.469

■ 57, 69.998,
138.175

■ 57, 83.668,
135.990

■ 58, 61.924,
139.258

■ 57, 83.752,
135.974

■ 59, 52.669,
140.334

■ 60, 42.609,
141.335

■ 61, 32.055,
142.230

■ 62, 21.257,
143.011

■ 64, 10.407,
143.688

■ 65, 0.351, 323.622

■ 67, 10.916,
324.698

Harmonies

Complementary

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



57, 76.473, 137.199



39, 74.721, 327.687

Rectangle

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



57, 76.473, 137.199



57, 76.473, 187.199



57, 76.473, 317.199



57, 76.473, 7.199

Sweetspot

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



57, 76.473, 137.200



78, 32.248, 142.650



63, 60.930, 102.591



41, 22.324, 142.382



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



57, 76.473, 137.200



73, 101.241, 136.124



58, 54.309, 152.829



33, 6.078, 143.716



51, 77.731, 135.968



3, 7.923, 144.232

Inverse Universe

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



39, 74.721, 327.687



49, 97.881, 327.883



36, 55.406, 353.465



31, 6.088, 324.688



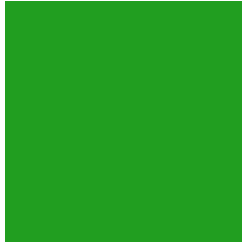
33, 75.072, 327.907



1, 7.917, 324.160

Previews

White Background



This preview shows how the CIELCh color 57, 76.473, 137.199 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 57, 76.473, 137.199 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 57, 76.473, 137.199

Background



This preview shows how black text looks on a background with the CIELCh color 57, 76.473, 137.199.



This preview shows how white text looks on a background with the CIELCh color 57, 76.473, 137.199.

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
57, 76.473, 137.199

Protanopia
57, 55.993, 95.214

Deuteranopia
57, 49.543, 81.416



Tritanopia
57, 23.855, 214.286

Trichromacy



Original Color
57, 76.473, 137.199



Protanomaly
55, 60.076, 118.566



Deuteranomaly
55, 52.556, 113.986



Tritanomaly
56, 38.723, 161.936

Monochromacy



Original Color
57, 76.473, 137.199



Achromatopsia
45, 0.006, 296.813



Achromatomaly
48, 32.563, 141.372

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 76.473, 137.199 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(33, 158, 32)` looks like.

```
.text, #text, p{  
    color:rgb(33, 158, 32)  
}
```

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(33, 158, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 158, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 76.473, 137.199 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(33, 158, 32) }
```

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

```
.border{ border-color:rgb(33, 158, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 158, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 158, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 158, 32);  
box-shadow:4px 4px 4px 4px rgb(33, 158,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 76.473, 137.199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 158, 32) }
```

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

```
.background{ background-color: rgb(33, 158,  
32) }
```

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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