

Converting Colors

CIELCh(58, 78.563, 139.504)

Have a look what the booklet for
CIELCh(58, 78.563, 139.504)
contains.

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Color

CIELCh(58, 78.412, 139.537)

Conversions

Conversions Part 1

Format	Color
Hex	00A226
RGB	0, 162, 38
RGB Percent	0%, 64%, 15%
CMY	1.0000, 0.3649, 0.8512
CMYK	1.00, 0.00, 0.77, 0.36
HSL	134°, 100%, 32%
HSV	134°, 100%, 64%
XYZ	13.2579, 25.9610, 6.1413
YIQ	99.4260, -56.7480, -72.9080

Conversions

Conversions Part 2

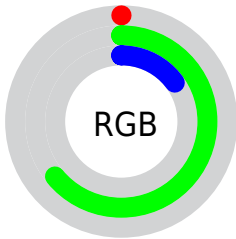
Format	Color
RYB	0, 131, 162
Decimal	41510
CIELab	58.00, -59.66, 50.89
CIELCh	58, 78.412, 139.537
Yxy	25.9610, 0.2923, 0.5723
Android (android.graphics.Color)	4278231590 (0xFF00A226)
YUV	99.4260, -30.2830, -87.1966
Hunter-Lab	50.9519, -42.7195, 28.5201

Details

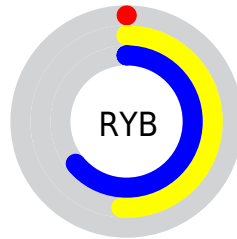
The CIELCh color **58, 78.412, 139.537** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **36, 68.840, 340.171**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **78, 78.321, 139.599**, and **39, 64.053, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **58, 78.405, 139.532**, and if you desaturate by 10%, it is **58, 73.922, 141.160**.

Distribution



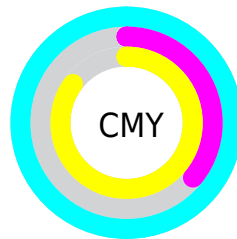
- Red (0%)
- Green (64%)
- Blue (15%)



- Red (0%)
- Yellow (51%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (77%)
- Black (36%)





- Cyan (100%)
- Magenta (36%)
- Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 78.412, 139.537 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 58, 78.412, 139.537 by changing the saturation by 10% instead.

 58, 78.412,
139.537


 58, 78.412,
139.537

 100, 78.412,
139.537


 48, 78.412,
139.537


 78, 78.412,
139.537

 38, 78.412,
139.537

 88, 78.412,
139.537

 28, 78.412,
139.537

 98, 78.412,
139.537

 18, 78.412,
139.537

 8, 78.412, 139.537

 0, 78.412, 139.537

■ 58, 78.412,
139.537

■ 58, 78.412,
139.537

■ 58, 78.405,
139.532

■ 58, 73.922,
141.160

■ 59, 68.375,
142.878

■ 59, 61.768,
144.507

■ 60, 54.250,
145.993

■ 60, 45.999,
147.316

■ 61, 37.205,
148.476

■ 62, 28.053,
149.485

■ 64, 18.712,

150.361

■ 65, 9.321, 151.131

Harmonies

Complementary

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



58, 78.412, 139.537



36, 68.840, 340.171

Rectangle

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



58, 78.412, 139.537



58, 78.412, 189.537



58, 78.412, 319.537



58, 78.412, 9.537

Sweetspot

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



58, 78.405, 139.532



80, 34.877, 149.431



62, 71.370, 116.380



42, 23.946, 149.040



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



58, 78.405, 139.532



74, 96.465, 139.179



59, 48.055, 164.840



34, 5.303, 151.184



52, 72.135, 139.705



4, 8.363, 150.964

Inverse Universe

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



36, 68.840, 340.171



48, 83.732, 340.459



34, 63.278, 23.430



32, 5.323, 332.308



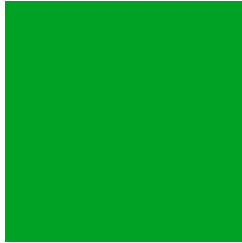
32, 63.690, 340.035



1, 7.927, 333.745

Previews

White Background



This preview shows how the CIELCh color 58, 78.412, 139.537 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 58, 78.412, 139.537 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 58, 78.412, 139.537

Background



This preview shows how black text looks on a background with the CIELCh color 58, 78.412, 139.537.



This preview shows how white text looks on a background with the CIELCh color 58, 78.412, 139.537.

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
58, 78.412, 139.537

Protanopia
58, 55.237, 95.340

Deuteranopia
58, 48.618, 81.328



Tritanopia
58, 25.759, 212.811

Trichromacy



Original Color
58, 78.412, 139.537



Protanomaly
56, 61.126, 123.600



Deuteranomaly
55, 53.198, 120.175



Tritanomaly
57, 41.449, 165.235

Monochromacy



Original Color
58, 78.412, 139.537



Achromatopsia
42, 0.006, 296.813



Achromatomaly
46, 35.341, 147.768

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 78.412, 139.537 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(0, 162, 38)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 38)  
}
```

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(0, 162, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 78.412, 139.537 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(0, 162, 38) }
```

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

```
.border{ border-color:rgb(0, 162, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 162, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 38);  
box-shadow:4px 4px 4px 4px rgb(0, 162, 38)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 58, 78.412, 139.537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 38) }
```

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

```
.background{ background-color: rgb(0, 162,  
38) }
```

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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