

Converting Colors

CIELCh(57, 63.551, 142.712)

Have a look what the booklet for
CIELCh(57, 63.551, 142.712)
contains.

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Color

CIELCh(57, 63.770, 142.719)

Conversions

Conversions Part 1

Format	Color
Hex	2C9D41
RGB	44, 157, 65
RGB Percent	17%, 62%, 25%
CMY	0.8290, 0.3854, 0.7461
CMYK	0.72, 0.00, 0.59, 0.39
HSL	131°, 56%, 39%
HSV	131°, 72%, 61%
XYZ	13.9772, 24.9227, 9.0353
YIQ	112.7250, -37.8160, -52.5680

Conversions

Conversions Part 2

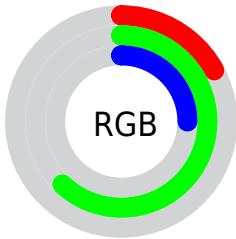
Format	Color
RYB	44, 139, 157
Decimal	2923841
CIELab	57.00, -50.74, 38.63
CIELCh	57, 63.770, 142.719
Yxy	24.9227, 0.2916, 0.5199
Android (android.graphics.Color)	4281113921 (0xFF2C9D41)
YUV	112.7250, -23.5284, -60.2718
Hunter-Lab	49.9226, -37.3886, 24.2152

Details

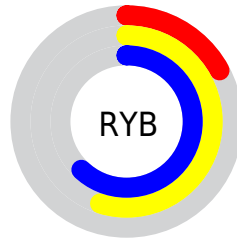
The CIELCh color **57, 63.770, 142.719** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **39, 61.766, 334.852**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **77, 63.805, 142.792**, and **38, 59.094, 137.979** is the 20% darker color. If you saturate the color by 10%, you get **57, 70.099, 141.164**, and if you desaturate by 10%, it is **58, 56.423, 144.175**.

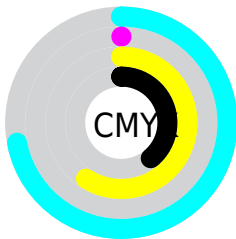
Distribution



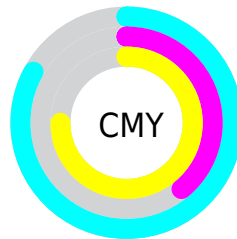
- Red (17%)
- Green (62%)
- Blue (25%)



- Red (17%)
- Yellow (55%)
- Blue (62%)



- Cyan (72%)
- Magenta (0%)
- Yellow (59%)
- Black (39%)





- Cyan (83%)
- Magenta (39%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 63.770, 142.719 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, 63.770, 142.719 by changing the saturation by 10% instead.


 57, 63.770,
142.719


 57, 63.770,
142.719


 100, 63.770,
142.719


 47, 63.770,
142.719


 77, 63.770,
142.719

 37, 63.770,
142.719

 87, 63.770,
142.719

 27, 63.770,
142.719

 97, 63.770,
142.719

 17, 63.770,
142.719

 7, 63.770, 142.719

 0, 63.770, 142.719

■ 57, 63.770,
142.719

■ 57, 63.770,
142.719

■ 57, 70.099,
141.164

■ 58, 56.423,
144.175

■ 56, 75.229,
139.586

■ 58, 48.259,
145.491

■ 56, 78.423,
138.500

■ 59, 39.490,
146.654

■ 60, 30.316,
147.668

■ 61, 20.918,
148.547

■ 63, 11.447,
149.312

■ 64, 2.024, 150.068

■ 66, 7.261, 330.472

■ 68, 16.343,
330.984

Harmonies

Complementary

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



57, 63.770, 142.719



39, 61.766, 334.852

Rectangle

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



57, 63.770, 142.719



57, 63.770, 192.719



57, 63.770, 322.719



57, 63.770, 12.719

Sweetspot

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



57, 63.770, 142.719



78, 25.730, 148.526



61, 58.200, 113.054



41, 17.250, 148.319



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



57, 63.770, 142.719



72, 89.483, 140.132



58, 41.209, 166.208



33, 5.347, 149.519



51, 73.031, 138.635



3, 7.020, 149.747

Inverse Universe

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



39, 61.766, 334.852



48, 82.673, 336.189



37, 49.351, 6.829



31, 5.363, 330.598



32, 65.085, 337.140



1, 6.818, 331.169

Previews

White Background



This preview shows how the CIELCh color 57, 63.770, 142.719 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, 63.770, 142.719 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, 63.770, 142.719

Background



This preview shows how black text looks on a background with the CIELCh color 57, 63.770, 142.719.



This preview shows how white text looks on a background with the CIELCh color 57, 63.770, 142.719.

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, 63.770, 142.719

Protanopia
57, 43.171, 95.733

Deuteranopia
56, 36.764, 78.447



Tritanopia
57, 23.427, 214.638

Trichromacy



Original Color
57, 63.770, 142.719



Protanomaly
56, 47.510, 122.046



Deuteranomaly
55, 39.379, 117.231



Tritanomaly
57, 33.402, 169.917

Monochromacy



Original Color
57, 63.770, 142.719



Achromatopsia
47, 0.006, 296.813



Achromatomaly
50, 25.429, 148.011

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 63.770, 142.719 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(44, 157, 65)` looks like.

```
.text, #text, p{  
    color:rgb(44, 157, 65)  
}
```

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(44, 157, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 157, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 63.770, 142.719 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(44, 157, 65) }
```

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

```
.border{ border-color:rgb(44, 157, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 157, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 157, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 157, 65);  
box-shadow:4px 4px 4px 4px rgb(44, 157,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 63.770, 142.719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 157, 65) }
```

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

```
.background{ background-color: rgb(44, 157,  
65) }
```

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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