

Converting Colors

CIELCh(59, 72.407, 139.273)

Have a look what the booklet for
CIELCh(59, 72.407, 139.273)
contains.

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Color

CIELCh(59, 72.156, 139.402)

Conversions

Conversions Part 1

Format	Color
Hex	2AA333
RGB	42, 163, 51
RGB Percent	16%, 64%, 20%
CMY	0.8338, 0.3598, 0.7990
CMYK	0.74, 0.00, 0.69, 0.36
HSL	124°, 59%, 40%
HSV	124°, 74%, 64%
XYZ	14.7165, 27.0277, 7.6022
YIQ	114.0530, -36.1640, -60.4840

Conversions

Conversions Part 2

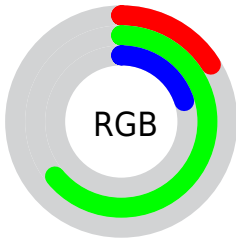
Format	Color
RYB	42, 155, 163
Decimal	2794291
CIELab	59.00, -54.79, 46.96
CIELCh	59, 72.156, 139.402
Yxy	27.0277, 0.2982, 0.5477
Android (android.graphics.Color)	4280984371 (0xFF2AA333)
YUV	114.0530, -31.0851, -63.1905
Hunter-Lab	51.9882, -40.4507, 27.7218

Details

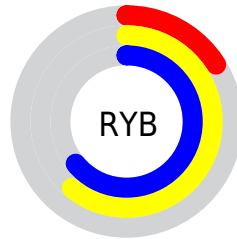
The CIELCh color **59, 72.156, 139.402** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **41, 69.965, 330.380**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **79, 72.085, 139.354**, and **40, 64.469, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **59, 78.280, 138.174**, and if you desaturate by 10%, it is **60, 64.535, 140.678**.

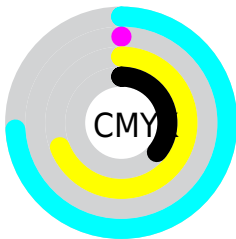
Distribution



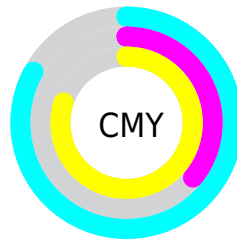
- Red (16%)
- Green (64%)
- Blue (20%)



- Red (16%)
- Yellow (61%)
- Blue (64%)



- Cyan (74%)
- Magenta (0%)
- Yellow (69%)
- Black (36%)



- Cyan (83%)
- Magenta (36%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 72.156, 139.402 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 59, 72.156, 139.402 by changing the saturation by 10% instead.


 59, 72.156,
139.402

 59, 72.156,
139.402

 100, 72.156,
139.402

 49, 72.156,
139.402

 79, 72.156,
139.402

 39, 72.156,
139.402

 89, 72.156,
139.402

 29, 72.156,
139.402

 99, 72.156,
139.402

 19, 72.156,
139.402

 9, 72.156, 139.402

 0, 72.156, 139.402

■ 59, 72.156,
139.402

■ 59, 72.156,
139.402

■ 59, 78.280,
138.174

■ 60, 64.535,
140.678

■ 58, 82.612,
137.119

■ 60, 55.751,
141.904

■ 58, 84.369,
136.708

■ 61, 46.123,
143.026

■ 62, 35.938,
144.020

■ 63, 25.437,
144.886

■ 65, 14.818,
145.634

■ 66, 4.236, 146.309

■ 68, 6.198, 326.756

■ 70, 16.403,
327.242

Harmonies

Complementary

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



59, 72.156, 139.402



41, 69.965, 330.380

Rectangle

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



59, 72.156, 139.402



59, 72.156, 189.402



59, 72.156, 319.402



59, 72.156, 9.402

Sweetspot

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



59, 72.156, 139.403



81, 28.746, 145.016



65, 60.462, 107.201



42, 19.472, 144.812



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



59, 72.156, 139.403



74, 98.676, 137.450



60, 48.710, 158.309



34, 5.950, 145.958



52, 77.299, 136.803



4, 9.271, 146.283

Inverse Universe

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



41, 69.965, 330.380



50, 92.845, 331.027



38, 52.922, 358.299



32, 5.961, 326.973



34, 71.843, 331.325



2, 9.085, 327.145

Previews

White Background



This preview shows how the CIELCh color 59, 72.156, 139.402 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 59, 72.156, 139.402 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 59, 72.156, 139.402

Background



This preview shows how black text looks on a background with the CIELCh color 59, 72.156, 139.402.



This preview shows how white text looks on a background with the CIELCh color 59, 72.156, 139.402.

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
59, 72.156, 139.402

Protanopia
59, 51.221, 95.296

Deuteranopia
59, 45.000, 80.134



Tritanopia
59, 24.159, 213.964

Trichromacy



Original Color
59, 72.156, 139.402



Protanomaly
57, 55.167, 119.461



Deuteranomaly
57, 47.750, 114.423



Tritanomaly
59, 36.835, 165.642

Monochromacy



Original Color
59, 72.156, 139.402



Achromatopsia
48, 0.006, 296.813



Achromatomaly
51, 29.700, 143.994

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 72.156, 139.402 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(42, 163, 51)` looks like.

```
.text, #text, p{  
    color:rgb(42, 163, 51)  
}
```

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(42, 163, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 163, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 72.156, 139.402 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(42, 163, 51) }
```

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

```
.border{ border-color:rgb(42, 163, 51) }
```

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

Here you see how a box with a 4 pixel rgb(42, 163, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 163, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 163, 51);  
box-shadow:4px 4px 4px 4px rgb(42, 163,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 72.156, 139.402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 163, 51) }
```

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

```
.background{ background-color: rgb(42, 163,  
51) }
```

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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