

Converting Colors

CIELCh(59, 68.870, 142.388)

Have a look what the booklet for
CIELCh(59, 68.870, 142.388)
contains.

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Color

CIELCh(59, 68.842, 142.317)

Conversions

Conversions Part 1

Format	Color
Hex	24A33E
RGB	36, 163, 62
RGB Percent	14%, 64%, 24%
CMY	0.8571, 0.3597, 0.7558
CMYK	0.78, 0.00, 0.62, 0.36
HSL	132°, 64%, 39%
HSV	132°, 78%, 64%
XYZ	14.7668, 27.0277, 9.0330
YIQ	113.5130, -43.2710, -58.3350

Conversions

Conversions Part 2

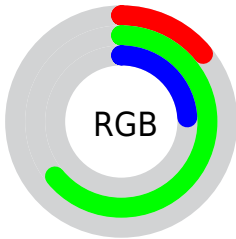
Format	Color
RYB	36, 141, 163
Decimal	2401086
CIELab	59.00, -54.48, 42.08
CIELCh	59, 68.842, 142.317
Yxy	27.0277, 0.2905, 0.5318
Android (android.graphics.Color)	4280591166 (0xFF24A33E)
YUV	113.5130, -25.3959, -67.9789
Hunter-Lab	51.9882, -40.2779, 26.0900

Details

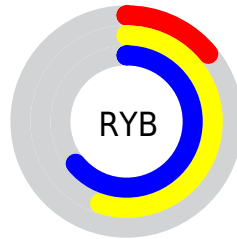
The CIELCh color **59, 68.842, 142.317** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **39, 65.770, 336.084**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **79, 68.804, 142.251**, and **40, 63.218, 136.823** is the 20% darker color. If you saturate the color by 10%, you get **59, 74.696, 140.687**, and if you desaturate by 10%, it is **59, 61.869, 143.871**.

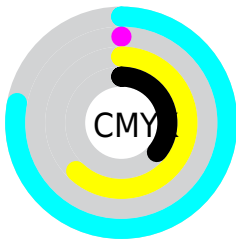
Distribution



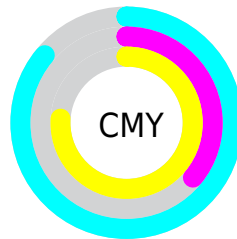
- Red (14%)
- Green (64%)
- Blue (24%)



- Red (14%)
- Yellow (55%)
- Blue (64%)



- Cyan (78%)
- Magenta (0%)
- Yellow (62%)
- Black (36%)





- Cyan (86%)
- Magenta (36%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 68.842, 142.317 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, 68.842, 142.317 by changing the saturation by 10% instead.


 59, 68.842,
142.317


 59, 68.842,
142.317


 100, 68.842,
142.317


 49, 68.842,
142.317


 79, 68.842,
142.317

 39, 68.842,
142.317

 89, 68.842,
142.317

 29, 68.842,
142.317

 99, 68.842,
142.317

 19, 68.842,
142.317

 9, 68.842, 142.317

 0, 68.842, 142.317

■ 59, 68.842,
142.317

■ 59, 68.842,
142.317

■ 59, 74.696,
140.687

■ 59, 61.869,
143.871

■ 58, 79.322,
139.107

■ 60, 53.962,
145.292

■ 58, 80.255,
138.799

■ 61, 45.323,
146.558

■ 62, 36.162,
147.667

■ 63, 26.671,
148.630

■ 64, 17.022,
149.465

■ 66, 7.356, 150.202

■ 67, 2.218, 330.667

■ 69, 11.619,
331.304

Harmonies

Complementary

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



59, 68.842, 142.317



39, 65.770, 336.084

Rectangle

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



59, 68.842, 142.317



59, 68.842, 192.317



59, 68.842, 322.317



59, 68.842, 12.317

Sweetspot

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



59, 68.842, 142.317



81, 27.382, 148.999



63, 63.428, 113.795



42, 19.101, 148.700



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, 68.842, 142.317



74, 94.676, 139.543



60, 43.944, 166.437



34, 5.424, 150.089



52, 73.394, 138.970



4, 8.532, 149.990

Inverse Universe

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



39, 65.770, 336.084



49, 85.164, 337.705



37, 53.896, 10.188



32, 5.441, 331.187



32, 65.114, 338.137



1, 8.128, 332.413

Previews

White Background



This preview shows how the CIELCh color 59, 68.842, 142.317 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 59, 68.842, 142.317 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, 68.842, 142.317

Background



This preview shows how black text looks on a background with the CIELCh color 59, 68.842, 142.317.



This preview shows how white text looks on a background with the CIELCh color 59, 68.842, 142.317.

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, 68.842, 142.317

Protanopia
59, 46.398, 95.583

Deuteranopia
58, 39.875, 79.084



Tritanopia
59, 25.002, 213.327

Trichromacy



Original Color
59, 68.842, 142.317



Protanomaly
57, 51.029, 122.545



Deuteranomaly
57, 43.008, 118.314



Tritanomaly
59, 36.191, 169.126

Monochromacy



Original Color
59, 68.842, 142.317



Achromatopsia
48, 0.006, 296.813



Achromatomaly
51, 28.328, 147.754

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 68.842, 142.317 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(36, 163, 62)` looks like.

```
.text, #text, p{  
    color:rgb(36, 163, 62)  
}
```

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(36, 163, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 163, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 68.842, 142.317 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(36, 163, 62) }
```

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

```
.border{ border-color:rgb(36, 163, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 163, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 163, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 163, 62);  
box-shadow:4px 4px 4px 4px rgb(36, 163,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 68.842, 142.317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 163, 62) }
```

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

```
.background{ background-color: rgb(36, 163,  
62) }
```

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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