

Converting Colors

CIELCh(64, 59.097, 142.051)

Have a look what the booklet for
CIELCh(64, 59.097, 142.051)
contains.

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Color

CIELCh(64, 58.807, 142.100)

Conversions

Conversions Part 1

Format	Color
Hex	4FAE57
RGB	79, 174, 87
RGB Percent	31%, 68%, 34%
CMY	0.6886, 0.3161, 0.6574
CMYK	0.54, 0.00, 0.50, 0.32
HSL	125°, 37%, 50%
HSV	125°, 54%, 68%
XYZ	20.2083, 32.8017, 14.3615
YIQ	135.6770, -28.6930, -47.1970

Conversions

Conversions Part 2

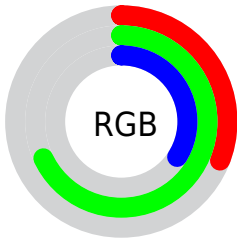
Format	Color
RYB	79, 167, 174
Decimal	5221975
CIELab	64.00, -46.40, 36.12
CIELCh	64, 58.807, 142.100
Yxy	32.8017, 0.3000, 0.4869
Android (android.graphics.Color)	4283412055 (0xFF4FAE57)
YUV	135.6770, -23.9978, -49.7057
Hunter-Lab	57.2727, -37.2449, 25.2236

Details

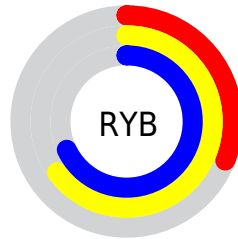
The CIELCh color **64, 58.807, 142.100** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **49, 58.281, 329.826**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 58.918, 142.073**, and **44, 59.037, 142.039** is the 20% darker color. If you saturate the color by 10%, you get **63, 67.963, 140.848**, and if you desaturate by 10%, it is **65, 48.757, 143.244**.

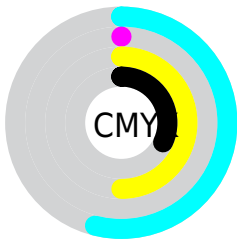
Distribution



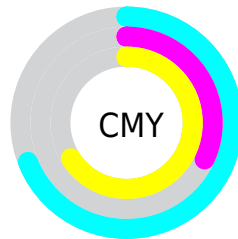
- Red (31%)
- Green (68%)
- Blue (34%)



- Red (31%)
- Yellow (65%)
- Blue (68%)



- Cyan (54%)
- Magenta (0%)
- Yellow (50%)
- Black (32%)



- Cyan (69%)
- Magenta (32%)
- Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 58.807, 142.100 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 64, 58.807, 142.100 by changing the saturation by 10% instead.

 64, 58.807,
142.100

 64, 58.807,
142.100

 100, 58.807,
142.100


 54, 58.807,
142.100


 84, 58.807,
142.100

 44, 58.807,
142.100

 94, 58.807,
142.100

 34, 58.807,
142.100

 24, 58.807,
142.100

 14, 58.807,
142.100

 4, 58.807, 142.100

 0, 58.807, 142.100

■ 64, 58.807,
142.100

■ 64, 58.807,
142.100

■ 63, 67.963,
140.848

■ 65, 48.757,
143.244

■ 63, 75.892,
139.542

■ 66, 38.107,
144.256

■ 62, 82.253,
138.277

■ 67, 27.116,
145.137

■ 62, 86.746,
137.181

■ 69, 15.992,
145.897

■ 62, 88.459,
136.767

■ 70, 4.899, 146.578

■ 72, 6.041, 327.036

■ 74, 16.745,
327.533

■ 76, 27.158,
327.943

■ 79, 37.249,
328.294

Harmonies

Complementary

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



64, 58.807, 142.100



49, 58.281, 329.826

Rectangle

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



64, 58.807, 142.100



64, 58.807, 192.100



64, 58.807, 322.100



64, 58.807, 12.100

Sweetspot

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



64, 58.808, 142.100



87, 21.934, 145.767



69, 49.763, 109.090



46, 14.938, 145.619



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



64, 58.808, 142.100



80, 84.478, 140.631



65, 39.487, 162.428



36, 6.212, 146.252



54, 79.110, 136.888



6, 13.222, 146.333

Inverse Universe

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



49, 58.281, 329.826



59, 82.730, 330.410



47, 43.263, 355.098



34, 6.224, 327.282



35, 73.084, 331.808



2, 12.753, 327.889

Previews

White Background



This preview shows how the CIELCh color 64, 58.807, 142.100 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 64, 58.807, 142.100 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 58.807, 142.100

Background



This preview shows how black text looks on a background with the CIELCh color 64, 58.807, 142.100.



This preview shows how white text looks on a background with the CIELCh color 64, 58.807, 142.100.

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
64, 58.807, 142.100

Protanopia
64, 40.773, 95.623

Deuteranopia
64, 34.700, 76.015



Tritanopia
64, 21.382, 219.465

Trichromacy



Original Color
64, 58.807, 142.100



Protanomaly
63, 43.195, 119.427



Deuteranomaly
63, 35.596, 112.543



Tritanomaly
64, 29.316, 170.874

Monochromacy



Original Color
64, 58.807, 142.100



Achromatopsia
57, 0.007, 296.813



Achromatomaly
59, 22.837, 145.310

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 58.807, 142.100 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(79, 174, 87)` looks like.

```
.text, #text, p{  
    color:rgb(79, 174, 87)  
}
```

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(79, 174, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 174, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 58.807, 142.100 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(79, 174, 87) }
```

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

```
.border{ border-color:rgb(79, 174, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 174, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 174, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 174, 87);  
box-shadow:4px 4px 4px 4px rgb(79, 174,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 58.807, 142.100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 174, 87) }
```

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

```
.background{ background-color: rgb(79, 174,  
87) }
```

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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