

Converting Colors

CIELCh(63, 59.432, 138.031)

Have a look what the booklet for
CIELCh(63, 59.432, 138.031)
contains.

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Color

CIELCh(63, 59.432, 138.031)

Conversions

Conversions Part 1

Format	Color
Hex	57AB4E
RGB	87, 171, 78
RGB Percent	34%, 67%, 31%
CMY	0.6599, 0.3304, 0.6951
CMYK	0.49, 0.00, 0.54, 0.33
HSL	114°, 37%, 49%
HSV	114°, 54%, 67%
XYZ	19.7857, 31.5869, 12.2167
YIQ	135.2820, -20.2110, -46.7310

Conversions

Conversions Part 2

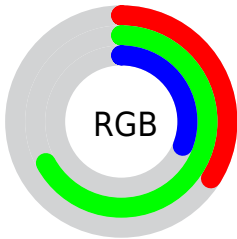
Format	Color
RYB	78, 171, 162
Decimal	5745486
CIELab	63.00, -44.19, 39.74
CIELCh	63, 59.432, 138.031
Yxy	31.5869, 0.3111, 0.4967
Android (android.graphics.Color)	4283935566 (0xFF57AB4E)
YUV	135.2820, -28.2400, -42.3433
Hunter-Lab	56.2022, -35.5139, 26.4537

Details

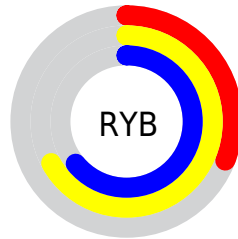
The CIELCh color **63, 59.432, 138.031** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **47, 59.666, 324.242**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 59.653, 138.063**, and **43, 59.477, 138.078** is the 20% darker color. If you saturate the color by 10%, you get **62, 68.692, 137.173**, and if you desaturate by 10%, it is **64, 49.240, 138.890**.

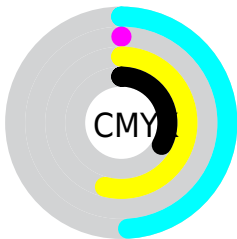
Distribution



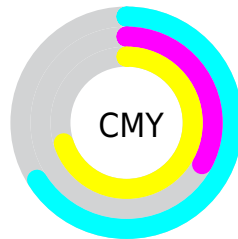
- Red (34%)
- Green (67%)
- Blue (31%)



- Red (31%)
- Yellow (67%)
- Blue (64%)



- Cyan (49%)
- Magenta (0%)
- Yellow (54%)
- Black (33%)





- Cyan (66%)
- Magenta (33%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 59.432, 138.031 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 63, 59.432, 138.031 by changing the saturation by 10% instead.


 63, 59.432,
138.031


 63, 59.432,
138.031


 100, 59.432,
138.031


 53, 59.432,
138.031


 83, 59.432,
138.031

 43, 59.432,
138.031

 93, 59.432,
138.031

 33, 59.432,
138.031

 23, 59.432,
138.031

 13, 59.432,
138.031

 3, 59.432, 138.031

 0, 59.432, 138.031

■ 63, 59.432,
138.031

■ 63, 59.432,
138.031

■ 62, 68.692,
137.173

■ 64, 49.240,
138.890

■ 62, 76.596,
136.407

■ 65, 38.457,
139.695

■ 61, 82.684,
135.861

■ 66, 27.351,
140.419

■ 61, 86.594,
135.647

■ 68, 16.127,
141.058

■ 61, 88.109,
135.542

■ 69, 4.938, 141.636

■ 71, 6.109, 322.029

■ 73, 16.936,
322.451

■ 75, 27.495,
322.796

■ 77, 37.756,
323.088

Harmonies

Complementary

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



63, 59.432, 138.031



47, 59.666, 324.242

Rectangle

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



63, 59.432, 138.031



63, 59.432, 188.031



63, 59.432, 318.031



63, 59.432, 8.031

Sweetspot

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



63, 59.433, 138.032



85, 22.104, 140.948



66, 44.837, 100.092



45, 15.053, 140.824



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



63, 59.433, 138.032



79, 85.279, 137.033



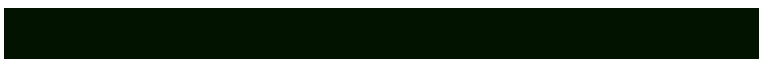
63, 45.505, 153.111



35, 6.222, 141.360



53, 79.208, 135.473



5, 11.367, 142.190

Inverse Universe

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



47, 59.666, 324.242



56, 85.184, 324.564



47, 46.627, 343.682



33, 6.242, 322.237



32, 77.474, 324.551



2, 11.198, 320.807

Previews

White Background



This preview shows how the CIELCh color 63, 59.432, 138.031 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 CIELCh color 63, 59.432, 138.031 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 63, 59.432, 138.031

Background



This preview shows how black text looks on a background with the CIELCh color 63, 59.432, 138.031.



This preview shows how white text looks on a background with the CIELCh color 63, 59.432, 138.031.

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
63, 59.432, 138.031

Protanopia
63, 43.774, 95.843

Deuteranopia
62, 37.953, 77.269



Tritanopia
63, 19.122, 218.696

Trichromacy



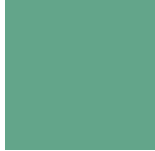
Original Color
63, 59.432, 138.031



Protanomaly
62, 46.298, 116.617



Deuteranomaly
62, 39.111, 109.038



Tritanomaly
63, 28.400, 164.837

Monochromacy



Original Color
63, 59.432, 138.031



Achromatopsia
56, 0.007, 296.813



Achromatomaly
58, 22.921, 140.754

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 59.432, 138.031 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(87, 171, 78)` looks like.

```
.text, #text, p{  
    color:rgb(87, 171, 78)  
}
```

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(87, 171, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 171, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 59.432, 138.031 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(87, 171, 78) }
```

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

```
.border{ border-color:rgb(87, 171, 78) }
```

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

Here you see how a box with a 4 pixel rgb(87, 171, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 171, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 171, 78);  
box-shadow:4px 4px 4px 4px rgb(87, 171,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 59.432, 138.031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 171, 78) }
```

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

```
.background{ background-color: rgb(87, 171,  
78) }
```

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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