

Converting Colors

CIELCh(63, 63.491, 135.286)

Have a look what the booklet for
CIELCh(63, 63.491, 135.286)
contains.

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Color

CIELCh(63, 63.682, 135.195)

Conversions

Conversions Part 1

Format	Color
Hex	58AB43
RGB	88, 171, 67
RGB Percent	35%, 67%, 26%
CMY	0.6551, 0.3296, 0.7374
CMYK	0.49, 0.00, 0.61, 0.33
HSL	108°, 44%, 47%
HSV	108°, 61%, 67%
XYZ	19.5871, 31.5869, 10.3685
YIQ	134.3270, -16.0840, -49.9400

Conversions

Conversions Part 2

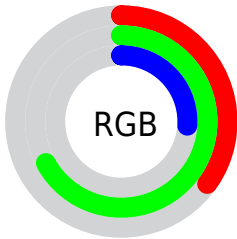
Format	Color
RYB	67, 171, 150
Decimal	5811011
CIELab	63.00, -45.18, 44.88
CIElCh	63, 63.682, 135.195
Yxy	31.5869, 0.3183, 0.5133
Android (android.graphics.Color)	4284001091 (0xFF58AB43)
YUV	134.3270, -33.1922, -40.6288
Hunter-Lab	56.2022, -36.1447, 28.4034

Details

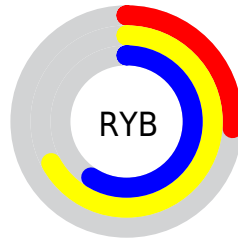
The CIELCh color **63, 63.682, 135.195** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **43, 64.962, 321.145**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 63.486, 135.220**, and **43, 63.791, 135.093** is the 20% darker color. If you saturate the color by 10%, you get **62, 72.122, 134.654**, and if you desaturate by 10%, it is **64, 54.177, 135.842**.

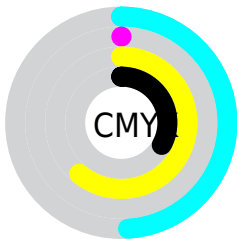
Distribution



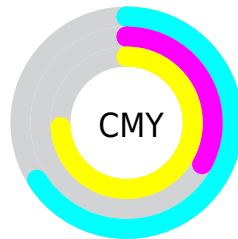
- Red (35%)
- Green (67%)
- Blue (26%)



- Red (26%)
- Yellow (67%)
- Blue (59%)



- Cyan (49%)
- Magenta (0%)
- Yellow (61%)
- Black (33%)





- Cyan (66%)
- Magenta (33%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 63.682, 135.195 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, 63.682, 135.195 by changing the saturation by 10% instead.


 63, 63.682,
135.195


 63, 63.682,
135.195


 100, 63.682,
135.195


 53, 63.682,
135.195


 83, 63.682,
135.195

 43, 63.682,
135.195

 93, 63.682,
135.195

 33, 63.682,
135.195

 23, 63.682,
135.195

 13, 63.682,
135.195

 3, 63.682, 135.195

 0, 63.682, 135.195

■ 63, 63.682,
135.195

■ 63, 63.682,
135.195

■ 62, 72.122,
134.654

■ 64, 54.177,
135.842

■ 62, 79.053,
134.333

■ 65, 43.976,
136.511

■ 61, 84.047,
134.353

■ 66, 33.362,
137.152

■ 61, 87.066,
134.576

■ 67, 22.546,
137.743

■ 68, 11.682,
138.275

■ 70, 0.884, 138.930

■ 71, 9.768, 319.102

■ 73, 20.219,
319.456

■ 75, 30.431,
319.754

Harmonies

Complementary

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



63, 63.682, 135.195



43, 64.962, 321.145

Rectangle

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



63, 63.682, 135.195



63, 63.682, 185.195



63, 63.682, 315.195



63, 63.682, 5.195

Sweetspot

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



63, 63.683, 135.196



85, 24.068, 137.882



62, 45.244, 92.040



45, 16.869, 137.724



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, 63.683, 135.196



79, 90.750, 134.512



63, 55.240, 147.544



36, 6.172, 138.352



54, 79.149, 134.474



6, 13.159, 139.859

Inverse Universe

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



43, 64.962, 321.145



51, 92.263, 321.310



45, 55.007, 338.365



34, 6.206, 319.141



30, 79.431, 320.751



2, 12.747, 316.524

Previews

White Background



This preview shows how the CIELCh color 63, 63.682, 135.195 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 63, 63.682, 135.195 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, 63.682, 135.195

Background



This preview shows how black text looks on a background with the CIELCh color 63, 63.682, 135.195.



This preview shows how white text looks on a background with the CIELCh color 63, 63.682, 135.195.

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, 63.682, 135.195

Protanopia
63, 48.988, 95.654

Deuteranopia
63, 43.148, 78.755



Tritanopia
63, 18.468, 221.451

Trichromacy



Original Color
63, 63.682, 135.195

Protanomaly
62, 51.150, 114.114

Deuteranomaly
62, 44.017, 107.008

Tritanomaly
63, 28.733, 161.231

Monochromacy



Original Color
63, 63.682, 135.195

Achromatopsia
56, 0.007, 296.813

Achromatomaly
58, 24.188, 137.872

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 63.682, 135.195 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(88, 171, 67)` looks like.

```
.text, #text, p{  
    color:rgb(88, 171, 67)  
}
```

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(88, 171, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 171, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 63.682, 135.195 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(88, 171, 67) }
```

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

```
.border{ border-color:rgb(88, 171, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 171, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 171, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 171, 67);  
box-shadow:4px 4px 4px 4px rgb(88, 171,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 63.682, 135.195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 171, 67) }
```

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

```
.background{ background-color: rgb(88, 171,  
67) }
```

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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