

Converting Colors

CIELCh(63, 56.945, 139.548)

Have a look what the booklet for
CIELCh(63, 56.945, 139.548)
contains.

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Color

CIELCh(63, 57.355, 139.375)

Conversions

Conversions Part 1

Format	Color
Hex	57AB53
RGB	87, 171, 83
RGB Percent	34%, 67%, 33%
CMY	0.6605, 0.3311, 0.6760
CMYK	0.49, 0.00, 0.52, 0.33
HSL	117°, 35%, 50%
HSV	117°, 52%, 67%
XYZ	19.9175, 31.5869, 13.1513
YIQ	135.8520, -21.8160, -45.1760

Conversions

Conversions Part 2

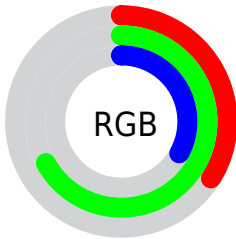
Format	Color
RYB	83, 171, 167
Decimal	5745491
CIELab	63.00, -43.53, 37.34
CIELCh	63, 57.355, 139.375
Yxy	31.5869, 0.3081, 0.4885
Android (android.graphics.Color)	4283935571 (0xFF57AB53)
YUV	135.8520, -26.0560, -42.8432
Hunter-Lab	56.2022, -35.0954, 25.4678

Details

The CIELCh color **63, 57.355, 139.375** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **49, 57.280, 325.715**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 57.545, 139.363**, and **43, 57.320, 139.382** is the 20% darker color. If you saturate the color by 10%, you get **62, 66.950, 138.381**, and if you desaturate by 10%, it is **64, 46.870, 140.325**.

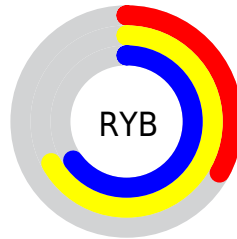
Distribution



Red (34%)

Green (67%)

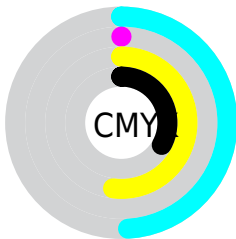
Blue (33%)



Red (33%)

Yellow (67%)

Blue (65%)

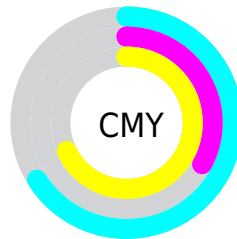


Cyan (49%)

Magenta (0%)

Yellow (52%)

Black (33%)



Cyan (66%)


Magenta (33%)


Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 57.355, 139.375 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, 57.355, 139.375 by changing the saturation by 10% instead.


 63, 57.355,
139.375


 63, 57.355,
139.375


 100, 57.355,
139.375


 53, 57.355,
139.375


 83, 57.355,
139.375

 43, 57.355,
139.375

 93, 57.355,
139.375

 33, 57.355,
139.375

 23, 57.355,
139.375

 13, 57.355,
139.375

 3, 57.355, 139.375

 0, 57.355, 139.375

■ 63, 57.355,
139.375

■ 63, 57.355,
139.375

■ 62, 66.950,
138.381

■ 64, 46.870,
140.325

■ 62, 75.242,
137.422

■ 65, 35.830,
141.188

■ 61, 81.772,
136.620

■ 66, 24.503,
141.949

■ 61, 86.142,
136.106

■ 68, 13.094,
142.612

■ 61, 88.368,
135.811

■ 70, 1.758, 143.282

■ 71, 9.399, 323.611

■ 73, 20.300,
324.028

■ 75, 30.902,
324.375

■ 78, 41.179,
324.669

Harmonies

Complementary

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



63, 57.355, 139.375



49, 57.280, 325.715

Rectangle

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



63, 57.355, 139.375



63, 57.355, 189.375



63, 57.355, 319.375



63, 57.355, 9.375

Sweetspot

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



63, 57.356, 139.375



85, 21.063, 142.377



67, 44.476, 103.004



45, 14.497, 142.242



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, 57.356, 139.375



79, 83.123, 138.229



64, 41.500, 155.793



35, 6.326, 142.753



53, 79.531, 135.772



5, 11.527, 143.408

Inverse Universe

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



49, 57.280, 325.715



58, 82.553, 326.113



47, 43.127, 346.140



33, 6.340, 323.689



34, 77.166, 326.498



2, 11.441, 322.748

Previews

White Background



This preview shows how the CIE LCh color 63, 57.355, 139.375 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, 57.355, 139.375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

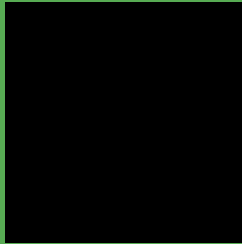
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 57.355, 139.375

Background



This preview shows how black text looks on a background with the CIELCh color 63, 57.355, 139.375.



This preview shows how white text looks on a background with the CIELCh color 63, 57.355, 139.375.

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, 57.355, 139.375

Protanopia
63, 41.741, 96.269

Deuteranopia
63, 35.986, 77.572



Tritanopia
63, 19.247, 220.375

Trichromacy



Original Color
63, 57.355, 139.375

Protanomaly
62, 44.398, 117.265

Deuteranomaly
62, 36.563, 109.525

Tritanomaly
63, 26.803, 168.323

Monochromacy



Original Color
63, 57.355, 139.375

Achromatopsia
56, 0.007, 296.813

Achromatomaly
58, 21.972, 142.308

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 57.355, 139.375 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, 83)` looks like.

```
.text, #text, p{  
    color:rgb(87, 171, 83)  
}
```

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, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 171, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 57.355, 139.375 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, 83) }
```

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

```
.border{ border-color:rgb(87, 171, 83) }
```

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, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 171, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 171, 83);  
box-shadow:4px 4px 4px 4px rgb(87, 171,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 57.355, 139.375 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, 83) }
```

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

```
.background{ background-color: rgb(87, 171,  
83) }
```

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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