

Converting Colors

CIELCh(63, 55.684, 137.921)

Have a look what the booklet for
CIELCh(63, 55.684, 137.921)
contains.

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Color

CIELCh(63, 55.679, 137.906)

Conversions

Conversions Part 1

Format	Color
Hex	5DAA53
RGB	93, 170, 83
RGB Percent	36%, 67%, 33%
CMY	0.6363, 0.3343, 0.6754
CMYK	0.45, 0.00, 0.51, 0.33
HSL	113°, 34%, 50%
HSV	113°, 51%, 67%
XYZ	20.3665, 31.5869, 13.1592
YIQ	137.0590, -17.9650, -43.3810

Conversions

Conversions Part 2

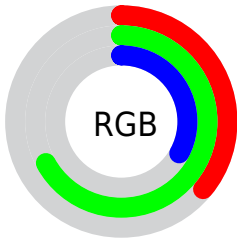
Format	Color
RYB	83, 170, 160
Decimal	6138451
CIELab	63.00, -41.32, 37.32
CIELCh	63, 55.679, 137.906
Yxy	31.5869, 0.3128, 0.4851
Android (android.graphics.Color)	4284328531 (0xFF5DAA53)
YUV	137.0590, -26.6511, -38.6397
Hunter-Lab	56.2022, -33.6692, 25.4594

Details

The CIELCh color **63, 55.679, 137.906** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **48, 56.076, 323.572**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 55.840, 137.766**, and **43, 55.666, 138.020** is the 20% darker color. If you saturate the color by 10%, you get **62, 65.220, 137.082**, and if you desaturate by 10%, it is **64, 45.351, 138.718**.

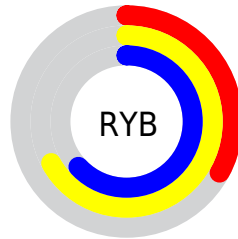
Distribution



Red (36%)

Green (67%)

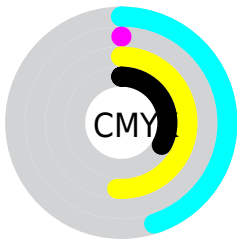
Blue (33%)



Red (33%)

Yellow (67%)

Blue (63%)

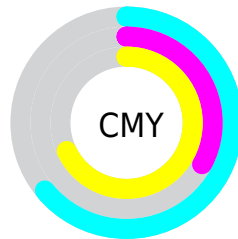


Cyan (45%)

Magenta (0%)

Yellow (51%)

Black (33%)



Cyan (64%)


Magenta (33%)


Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 55.679, 137.906 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, 55.679, 137.906 by changing the saturation by 10% instead.


 63, 55.679,
137.906


 63, 55.679,
137.906


 100, 55.679,
137.906


 53, 55.679,
137.906


 83, 55.679,
137.906

 43, 55.679,
137.906

 93, 55.679,
137.906

 33, 55.679,
137.906

 23, 55.679,
137.906

 13, 55.679,
137.906

 3, 55.679, 137.906

 0, 55.679, 137.906

■ 63, 55.679,
137.906

■ 63, 55.679,
137.906

■ 62, 65.220,
137.082

■ 64, 45.351,
138.718

■ 62, 73.582,
136.325

■ 65, 34.544,
139.472

■ 61, 80.310,
135.753

■ 66, 23.496,
140.148

■ 61, 84.988,
135.490

■ 68, 12.388,
140.746

■ 61, 87.578,
135.415

■ 69, 1.352, 141.391

■ 71, 9.519, 321.656

■ 73, 20.160,
322.040

■ 75, 30.530,
322.361

■ 77, 40.607,
322.632

Harmonies

Complementary

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



63, 55.679, 137.906



48, 56.076, 323.572

Rectangle

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



63, 55.679, 137.906



63, 55.679, 187.906



63, 55.679, 317.906



63, 55.679, 7.906

Sweetspot

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



63, 55.680, 137.907



86, 20.594, 140.514



65, 41.582, 99.497



45, 14.174, 140.391



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, 55.680, 137.907



79, 80.592, 137.012



63, 43.453, 152.838



35, 6.186, 140.856



53, 79.066, 135.341



5, 11.311, 141.751

Inverse Universe

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



48, 56.076, 323.572



57, 80.904, 323.898



48, 44.415, 342.391



33, 6.208, 321.714



32, 77.609, 323.877



2, 11.118, 320.123

Previews

White Background



This preview shows how the CIE LCh color 63, 55.679, 137.906 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, 55.679, 137.906 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, 55.679, 137.906

Background



This preview shows how black text looks on a background with the CIELCh color 63, 55.679, 137.906.



This preview shows how white text looks on a background with the CIELCh color 63, 55.679, 137.906.

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, 55.679, 137.906

Protanopia
63, 41.248, 96.224

Deuteranopia
63, 35.986, 77.572



Tritanopia
63, 17.941, 222.219

Trichromacy



Original Color
63, 55.679, 137.906



Protanomaly
62, 43.195, 115.952



Deuteranomaly
62, 36.518, 108.164



Tritanomaly
63, 25.801, 165.797

Monochromacy



Original Color
63, 55.679, 137.906



Achromatopsia
57, 0.007, 296.813



Achromatomaly
59, 21.289, 139.870

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 55.679, 137.906 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(93, 170, 83)` looks like.

```
.text, #text, p{  
    color:rgb(93, 170, 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(93, 170, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 170, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 55.679, 137.906 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(93, 170, 83) }
```

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

```
.border{ border-color:rgb(93, 170, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 170, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 170, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 170, 83);  
box-shadow:4px 4px 4px 4px rgb(93, 170,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 55.679, 137.906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 170, 83) }
```

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

```
.background{ background-color: rgb(93, 170,  
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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