

Converting Colors

CIELCh(57, 44.179, 163.256)

Have a look what the booklet for
CIELCh(57, 44.179, 163.256)
contains.

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Color

CIELCh(57, 44.450, 163.050)

Conversions

Conversions Part 1

Format	Color
Hex	229B71
RGB	34, 155, 113
RGB Percent	13%, 61%, 44%
CMY	0.8675, 0.3927, 0.5574
CMYK	0.78, 0.00, 0.27, 0.39
HSL	159°, 64%, 37%
HSV	159°, 78%, 61%
XYZ	15.3245, 24.9227, 19.5880
YIQ	114.0330, -58.6340, -38.7140

Conversions

Conversions Part 2

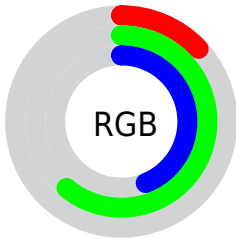
Format	Color
RYB	34, 107, 155
Decimal	2268017
CIELab	57.00, -42.52, 12.96
CIELCh	57, 44.450, 163.050
Yxy	24.9227, 0.2561, 0.4165
Android (android.graphics.Color)	4280458097 (0xFF229B71)
YUV	114.0330, -0.5093, -70.1889
Hunter-Lab	49.9226, -32.5712, 11.6824

Details

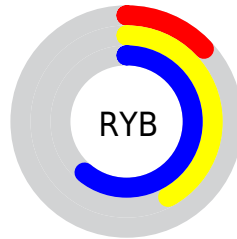
The CIELCh color **57, 44.450, 163.050** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **35, 51.884, 6.391**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **77, 44.236, 163.233**, and **38, 38.586, 158.154** is the 20% darker color. If you saturate the color by 10%, you get **57, 47.887, 161.115**, and if you desaturate by 10%, it is **57, 40.363, 164.786**.

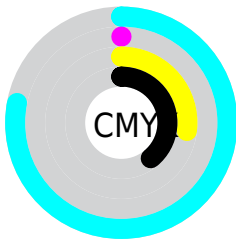
Distribution



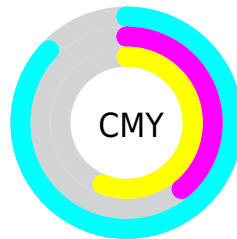
- Red (13%)
- Green (61%)
- Blue (44%)



- Red (13%)
- Yellow (42%)
- Blue (61%)



- Cyan (78%)
- Magenta (0%)
- Yellow (27%)
- Black (39%)



- Cyan (87%)
- Magenta (39%)
- Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 44.450, 163.050 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 57, 44.450, 163.050 by changing the saturation by 10% instead.


 57, 44.450,
163.050

 57, 44.450,
163.050

 100, 44.450,
163.050

 47, 44.450,
163.050

 77, 44.450,
163.050

 37, 44.450,
163.050

 87, 44.450,
163.050

 27, 44.450,
163.050

 97, 44.450,
163.050

 17, 44.450,
163.050

 7, 44.450, 163.050

 0, 44.450, 163.050

■ 57, 44.450,
163.050

■ 57, 44.450,
163.050

■ 57, 47.887,
161.115

■ 57, 40.363,
164.786

■ 56, 50.779,
159.032

■ 58, 35.642,
166.338

■ 56, 51.293,
158.668

■ 59, 30.351,
167.728

■ 60, 24.580,
168.978

■ 60, 18.436,
170.112

■ 62, 12.024,
171.154

■ 63, 5.444, 172.141

■ 64, 1.220, 352.639

Harmonies

Complementary

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



57, 44.450, 163.050



35, 51.884, 6.391

Rectangle

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



57, 44.450, 163.050



57, 44.450, 213.050



57, 44.450, 343.050



57, 44.450, 33.050

Sweetspot

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



57, 44.450, 163.049



78, 18.750, 170.615



57, 68.826, 130.986



41, 13.028, 170.256



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



57, 44.450, 163.049



72, 60.884, 159.501



52, 28.269, 219.216



32, 3.722, 172.038



51, 47.539, 158.880



3, 4.075, 172.092

Inverse Universe

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



35, 51.884, 6.391



43, 70.275, 14.013



37, 54.056, 39.173



30, 3.806, 353.579



29, 54.864, 15.416



1, 4.035, 353.178

Previews

White Background



This preview shows how the CIELCh color 57, 44.450, 163.050 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 44.450, 163.050 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 × Fail

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

CIELCh 57, 44.450, 163.050

Background



This preview shows how black text looks on a background with the CIELCh color 57, 44.450, 163.050.



This preview shows how white text looks on a background with the CIELCh color 57, 44.450, 163.050.

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


57, 44.450, 163.050

Protanopia

57, 18.536, 95.949

Deuteranopia

57, 12.582, 55.960



Tritanopia
57, 26.805, 212.130

Trichromacy



Original Color
57, 44.450, 163.050



Protanomaly
56, 25.594, 144.118



Deuteranomaly
55, 18.005, 148.204



Tritanomaly
57, 30.837, 187.999

Monochromacy



Original Color
57, 44.450, 163.050



Achromatopsia
48, 0.006, 296.813



Achromatomaly
51, 18.979, 169.904

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 44.450, 163.050 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(34, 155, 113)` looks like.

```
.text, #text, p{  
    color:rgb(34, 155, 113)  
}
```

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(34, 155, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 155, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 44.450, 163.050 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(34, 155, 113) }
```

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

```
.border{ border-color:rgb(34, 155, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 155, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 155, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 155, 113);  
box-shadow:4px 4px 4px 4px rgb(34, 155,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 44.450, 163.050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 155, 113) }
```

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

```
.background{ background-color: rgb(34, 155,  
113) }
```

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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