

Converting Colors

CIELCh(63, 41.122, 157.792)

Have a look what the booklet for
CIELCh(63, 41.122, 157.792)
contains.

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Color

CIELCh(63, 40.822, 158.229)

Conversions

Conversions Part 1

Format	Color
Hex	4EA97C
RGB	78, 169, 124
RGB Percent	31%, 66%, 49%
CMY	0.6929, 0.3360, 0.5126
CMYK	0.54, 0.00, 0.27, 0.34
HSL	150°, 37%, 49%
HSV	150°, 54%, 66%
XYZ	21.0700, 31.5869, 24.1511
YIQ	136.6610, -39.7910, -33.2870

Conversions

Conversions Part 2

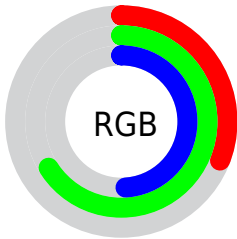
Format	Color
RYB	78, 138, 169
Decimal	5155196
CIELab	63.00, -37.91, 15.14
CIELCh	63, 40.822, 158.229
Yxy	31.5869, 0.2743, 0.4112
Android (android.graphics.Color)	4283345276 (0xFF4EA97C)
YUV	136.6610, -6.2419, -51.4457
Hunter-Lab	56.2022, -31.4349, 13.8636

Details

The CIELCh color **63, 40.822, 158.229** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **46, 43.212, 349.801**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 40.884, 158.463**, and **43, 40.803, 158.295** is the 20% darker color. If you saturate the color by 10%, you get **62, 47.261, 156.699**, and if you desaturate by 10%, it is **64, 33.838, 159.580**.

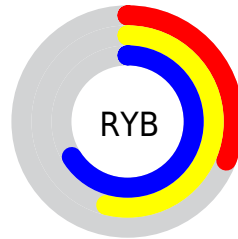
Distribution



Red (31%)

Green (66%)

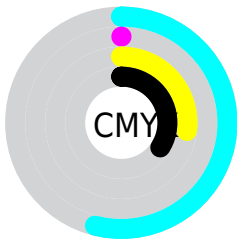
Blue (49%)



Red (31%)

Yellow (54%)

Blue (66%)

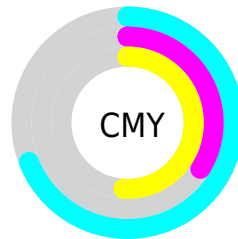


Cyan (54%)

Magenta (0%)

Yellow (27%)

Black (34%)



Cyan (69%)


Magenta (34%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 40.822, 158.229 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, 40.822, 158.229 by changing the saturation by 10% instead.

 63, 40.822,
158.229

 63, 40.822,
158.229


 100, 40.822,
158.229


 53, 40.822,
158.229


 83, 40.822,
158.229

 43, 40.822,
158.229

 93, 40.822,
158.229

 33, 40.822,
158.229

 23, 40.822,
158.229

 13, 40.822,
158.229

 3, 40.822, 158.229

 0, 40.822, 158.229

■ 63, 40.822,
158.229

■ 63, 40.822,
158.229

■ 62, 47.261,
156.699

■ 64, 33.838,
159.580

■ 62, 53.048,
154.972

■ 65, 26.433,
160.776

■ 61, 58.118,
153.038

■ 66, 18.739,
161.843

■ 61, 62.469,
150.907

■ 67, 10.878,
162.807

■ 61, 64.956,
149.569

■ 69, 2.956, 163.753

■ 70, 4.940, 344.337

■ 72, 12.743,
345.096

■ 74, 20.405,
345.766

■ 76, 27.890,
346.383

Harmonies

Complementary

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



63, 40.822, 158.229



46, 43.212, 349.801

Rectangle

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



63, 40.822, 158.229



63, 40.822, 208.229



63, 40.822, 338.229



63, 40.822, 28.229

Sweetspot

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



63, 40.823, 158.228



85, 15.627, 162.570



64, 51.861, 126.650



44, 10.530, 162.384



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



63, 40.823, 158.228



79, 58.343, 156.471



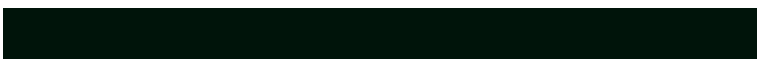
64, 28.103, 197.079



35, 4.457, 163.216



54, 58.482, 149.846



5, 8.562, 160.304

Inverse Universe

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



46, 43.212, 349.801



55, 61.615, 351.820



45, 41.495, 25.768



33, 4.514, 344.650



31, 56.493, 1.666



2, 7.777, 347.847

Previews

White Background



This preview shows how the CIELCh color 63, 40.822, 158.229 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, 40.822, 158.229 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, 40.822, 158.229

Background



This preview shows how black text looks on a background with the CIELCh color 63, 40.822, 158.229.

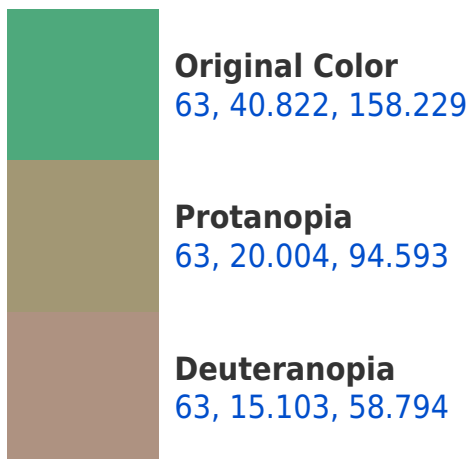


This preview shows how white text looks on a background with the CIELCh color 63, 40.822, 158.229.

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





Tritanopia
63, 22.961, 216.301

Trichromacy



Original Color
63, 40.822, 158.229



Protanomaly
62, 24.084, 133.570



Deuteranomaly
62, 16.243, 130.239



Tritanomaly
63, 26.007, 187.174

Monochromacy



Original Color
63, 40.822, 158.229



Achromatopsia
57, 0.007, 296.813



Achromatomaly
59, 16.009, 160.964

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 40.822, 158.229 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(78, 169, 124)` looks like.

```
.text, #text, p{  
    color:rgb(78, 169, 124)  
}
```

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(78, 169, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 169, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 40.822, 158.229 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(78, 169, 124) }
```

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

```
.border{ border-color:rgb(78, 169, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 169, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 169, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 169, 124);  
box-shadow:4px 4px 4px 4px rgb(78, 169,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 40.822, 158.229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 169, 124) }
```

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

```
.background{ background-color: rgb(78, 169,  
124) }
```

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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