

Converting Colors

CIELCh(63, 44.801, 168.513)

Have a look what the booklet for
CIELCh(63, 44.801, 168.513)
contains.

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Color

CIELCh(63, 44.938, 168.298)

Conversions

Conversions Part 1

Format	Color
Hex	24AC87
RGB	36, 172, 135
RGB Percent	14%, 67%, 53%
CMY	0.8594, 0.3259, 0.4709
CMYK	0.79, 0.00, 0.22, 0.33
HSL	164°, 65%, 41%
HSV	164°, 79%, 67%
XYZ	19.8226, 31.5869, 27.9402
YIQ	127.1180, -69.1790, -40.3390

Conversions

Conversions Part 2

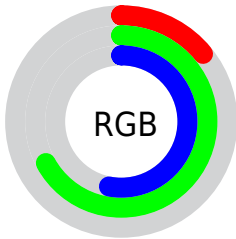
Format	Color
RYB	36, 115, 172
Decimal	2403463
CIELab	63.00, -44.00, 9.11
CIELCh	63, 44.938, 168.298
Yxy	31.5869, 0.2498, 0.3981
Android (android.graphics.Color)	4280593543 (0xFF24AC87)
YUV	127.1180, 3.8858, -79.9105
Hunter-Lab	56.2022, -35.3967, 9.8663

Details

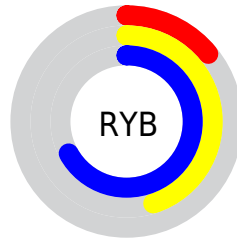
The CIELCh color **63, 44.938, 168.298** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **39, 57.099, 13.210**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 44.991, 168.316**, and **44, 38.957, 163.904** is the 20% darker color. If you saturate the color by 10%, you get **63, 47.971, 166.445**, and if you desaturate by 10%, it is **63, 41.184, 169.962**.

Distribution



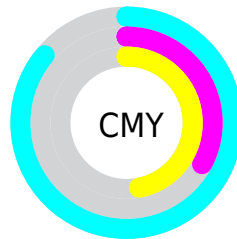
- Red (14%)
- Green (67%)
- Blue (53%)



- Red (14%)
- Yellow (45%)
- Blue (67%)



- Cyan (79%)
- Magenta (0%)
- Yellow (22%)
- Black (33%)



- Cyan (86%)
- Magenta (33%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 44.938, 168.298 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, 44.938, 168.298 by changing the saturation by 10% instead.

 63, 44.938,
168.298

 63, 44.938,
168.298

 100, 44.938,
168.298

 53, 44.938,
168.298

 83, 44.938,
168.298

 43, 44.938,
168.298

 93, 44.938,
168.298

 33, 44.938,
168.298

 23, 44.938,
168.298

 13, 44.938,
168.298

 3, 44.938, 168.298

 0, 44.938, 168.298

■ 63, 44.938,
168.298

■ 63, 44.938,
168.298

■ 63, 47.971,
166.445

■ 63, 41.184,
169.962

■ 62, 50.427,
164.452

■ 64, 36.709,
171.456

■ 62, 50.631,
164.288

■ 65, 31.569,
172.802

■ 66, 25.851,
174.023

■ 67, 19.665,
175.143

■ 68, 13.125,
176.183

■ 69, 6.338, 177.178

■ 70, 0.597, 357.280

Harmonies

Complementary

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



63, 44.938, 168.298



39, 57.099, 13.210

Rectangle

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



63, 44.938, 168.298



63, 44.938, 218.298



63, 44.938, 348.298



63, 44.938, 38.298

Sweetspot

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



63, 44.938, 168.297



85, 20.273, 175.642



63, 76.767, 132.652



45, 13.829, 175.279



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, 44.938, 168.297



80, 60.789, 164.922



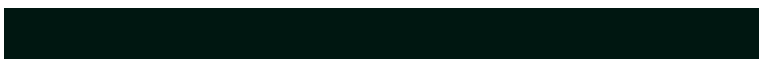
55, 30.498, 231.541



36, 3.948, 177.162



55, 45.732, 164.534



6, 8.844, 172.059

Inverse Universe

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



39, 57.099, 13.210



48, 78.921, 21.653



42, 57.738, 43.167



34, 4.065, 358.746



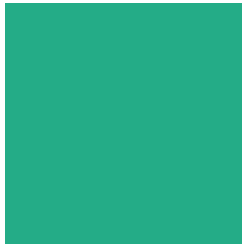
31, 59.645, 22.593



2, 8.230, 1.601

Previews

White Background



This preview shows how the CIELCh color 63, 44.938, 168.298 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, 44.938, 168.298 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, 44.938, 168.298

Background



This preview shows how black text looks on a background with the CIELCh color 63, 44.938, 168.298.

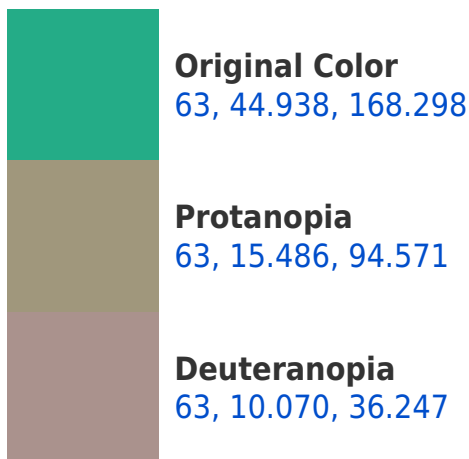


This preview shows how white text looks on a background with the CIELCh color 63, 44.938, 168.298.

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, 29.779, 211.397

Trichromacy



Original Color
63, 44.938, 168.298



Protanomaly
62, 24.358, 151.964



Deuteranomaly
61, 15.832, 163.343



Tritanomaly
63, 33.336, 191.748

Monochromacy



Original Color
63, 44.938, 168.298



Achromatopsia
53, 0.007, 296.813



Achromatomaly
56, 19.619, 175.121

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 44.938, 168.298 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(36, 172, 135)` looks like.

```
.text, #text, p{  
    color:rgb(36, 172, 135)  
}
```

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(36, 172, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 172, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 44.938, 168.298 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(36, 172, 135) }
```

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

```
.border{ border-color:rgb(36, 172, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 172, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 172, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 172, 135);  
box-shadow:4px 4px 4px 4px rgb(36, 172,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 44.938, 168.298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 172, 135) }
```

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

```
.background{ background-color: rgb(36, 172,  
135) }
```

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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