

Converting Colors

CIELCh(67, 46.346, 172.918)

Have a look what the booklet for
CIELCh(67, 46.346, 172.918)
contains.

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Color

CIELCh(67, 46.544, 172.632)

Conversions

Conversions Part 1

Format	Color
Hex	15B897
RGB	21, 184, 151
RGB Percent	8%, 72%, 59%
CMY	0.9186, 0.2788, 0.4082
CMYK	0.89, 0.00, 0.18, 0.28
HSL	168°, 80%, 40%
HSV	168°, 89%, 72%
XYZ	23.0047, 36.6320, 35.1003
YIQ	131.5010, -86.5550, -44.8190

Conversions

Conversions Part 2

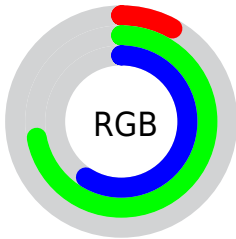
Format	Color
RYB	21, 112, 184
Decimal	1423511
CIELab	67.00, -46.16, 5.97
CIElCh	67, 46.544, 172.632
Yxy	36.6320, 0.2428, 0.3867
Android (android.graphics.Color)	4279613591 (0xFF15B897)
YUV	131.5010, 9.6130, -96.9094
Hunter-Lab	60.5244, -38.0716, 7.9826

Details

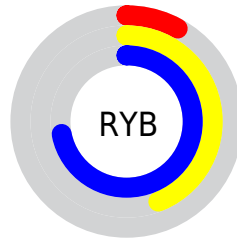
The CIELCh color **67, 46.544, 172.632** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **40, 66.865, 23.498**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 46.610, 172.473**, and **48, 38.895, 168.474** is the 20% darker color. If you saturate the color by 10%, you get **67, 48.530, 170.851**, and if you desaturate by 10%, it is **67, 43.908, 174.269**.

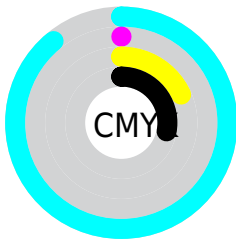
Distribution



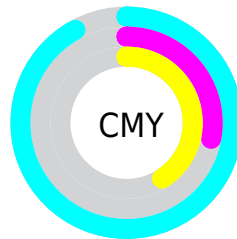
- Red (8%)
- Green (72%)
- Blue (59%)



- Red (8%)
- Yellow (44%)
- Blue (72%)



- Cyan (89%)
- Magenta (0%)
- Yellow (18%)
- Black (28%)





- Cyan (92%)
- Magenta (28%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 46.544, 172.632 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 67, 46.544, 172.632 by changing the saturation by 10% instead.

 67, 46.544,
172.632

 67, 46.544,
172.632


 100, 46.544,
172.632


 57, 46.544,
172.632


 87, 46.544,
172.632

 47, 46.544,
172.632

 97, 46.544,
172.632

 37, 46.544,
172.632

 27, 46.544,
172.632

 17, 46.544,
172.632

 7, 46.544, 172.632

 0, 46.544, 172.632

■ 67, 46.544,
172.632

■ 67, 46.544,
172.632

■ 67, 48.530,
170.851

■ 67, 43.908,
174.269

■ 67, 48.773,
170.626

■ 68, 40.489,
175.744

■ 68, 36.282,
177.077

■ 69, 31.336,
178.290

■ 70, 25.737,
179.407

■ 71, 19.597,
180.447

■ 72, 13.033,
181.430

■ 73, 6.159, 182.390

Harmonies

Complementary

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



67, 46.544, 172.632



40, 66.865, 23.498

Rectangle

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



67, 46.544, 172.632



67, 46.544, 222.632



67, 46.544, 352.632



67, 46.544, 42.632

Sweetspot

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



67, 46.544, 172.631



90, 22.918, 180.574



66, 87.743, 134.081



47, 15.312, 180.232



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



67, 46.544, 172.631



85, 59.749, 170.286



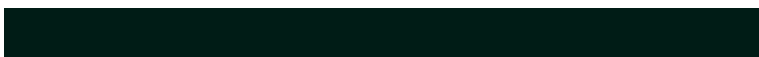
54, 35.239, 247.676



38, 3.995, 182.329



57, 42.956, 170.887



8, 11.621, 176.416

Inverse Universe

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



40, 66.865, 23.498



50, 89.315, 30.258



45, 66.912, 47.353



36, 4.142, 3.877



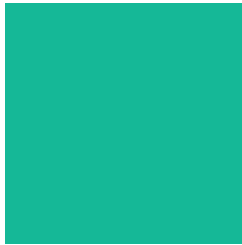
32, 63.717, 28.486



2, 10.911, 7.304

Previews

White Background



This preview shows how the CIELCh color 67, 46.544, 172.632 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 67, 46.544, 172.632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

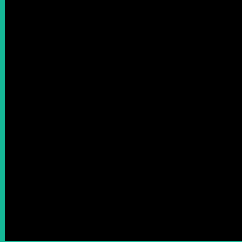
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 46.544, 172.632

Background



This preview shows how black text looks on a background with the CIELCh color 67, 46.544, 172.632.

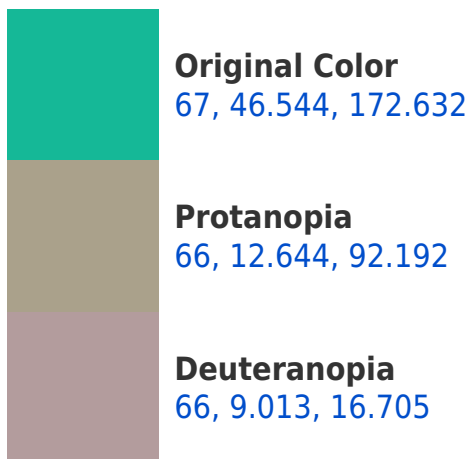


This preview shows how white text looks on a background with the CIELCh color 67, 46.544, 172.632.

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
67, 32.827, 211.803

Trichromacy



Original Color
67, 46.544, 172.632



Protanomaly
65, 24.504, 161.264



Deuteranomaly
65, 17.528, 177.388



Tritanomaly
67, 36.131, 194.781

Monochromacy



Original Color
67, 46.544, 172.632



Achromatopsia
55, 0.007, 296.813



Achromatomaly
58, 22.160, 179.314

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 46.544, 172.632 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(21, 184, 151)` looks like.

```
.text, #text, p{  
    color:rgb(21, 184, 151)  
}
```

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(21, 184, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 184, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 46.544, 172.632 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(21, 184, 151) }
```

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

```
.border{ border-color:rgb(21, 184, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 184, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 184, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 184, 151);  
box-shadow:4px 4px 4px 4px rgb(21, 184,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 46.544, 172.632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 184, 151) }
```

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

```
.background{ background-color: rgb(21, 184,  
151) }
```

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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