

Converting Colors

CIELCh(63, 18.689, 172.938)

Have a look what the booklet for
CIELCh(63, 18.689, 172.938)
contains.

CIELCh(63, 18.689, 172.938)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(63, 18.689, 172.938)

Conversions

Conversions Part 1

Format	Color
Hex	74A294
RGB	116, 162, 148
RGB Percent	45%, 64%, 58%
CMY	0.5460, 0.3656, 0.4205
CMYK	0.28, 0.00, 0.09, 0.37
HSL	162°, 20%, 54%
HSV	162°, 28%, 63%
XYZ	25.3790, 31.5869, 32.6815
YIQ	146.6500, -22.9220, -14.1060

Conversions

Conversions Part 2

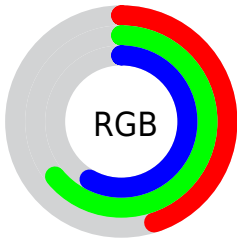
Format	Color
RYB	116, 143, 162
Decimal	7643796
CIELab	63.00, -18.55, 2.30
CIElCh	63, 18.689, 172.938
Yxy	31.5869, 0.2831, 0.3523
Android (android.graphics.Color)	4285833876 (0xFF74A294)
YUV	146.6500, 0.6656, -26.8800
Hunter-Lab	56.2022, -17.7494, 4.8646

Details

The CIELCh color **63, 18.689, 172.938** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **54, 20.264, 358.681**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 18.727, 172.993**, and **43, 18.685, 172.418** is the 20% darker color. If you saturate the color by 10%, you get **62, 24.794, 171.808**, and if you desaturate by 10%, it is **64, 12.279, 173.978**.

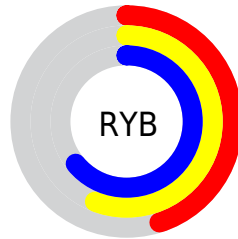
Distribution



Red (45%)

Green (64%)

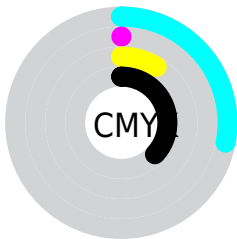
Blue (58%)



Red (45%)

Yellow (56%)

Blue (64%)

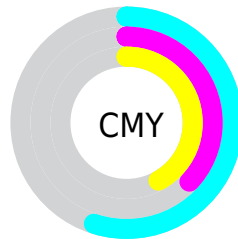


Cyan (28%)

Magenta (0%)

Yellow (9%)

Black (37%)



Cyan (55%)


Magenta (37%)


Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 18.689, 172.938 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, 18.689, 172.938 by changing the saturation by 10% instead.


 63, 18.689,
172.938


 63, 18.689,
172.938


 100, 18.689,
172.938


 53, 18.689,
172.938


 83, 18.689,
172.938

 43, 18.689,
172.938

 93, 18.689,
172.938

 33, 18.689,
172.938

 23, 18.689,
172.938

 13, 18.689,
172.938

 3, 18.689, 172.938

 0, 18.689, 172.938

63, 18.689,
172.938

63, 18.689,
172.938

62, 24.794,
171.808

64, 12.279,
173.978

61, 30.482,
170.573

65, 5.665, 174.973

60, 35.649,
169.207

67, 1.064, 355.413

68, 7.831, 356.585

60, 40.204,
167.687

70, 14.577,
357.405

59, 44.090,
165.989

72, 21.255,
358.172

59, 47.295,
164.100


73, 27.832,
358.901

59, 49.937,
162.062

75, 34.286,
359.596

59, 50.341,

161.752

 77, 38.410,
358.534

Harmonies

Complementary

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



63, 18.689, 172.938



54, 20.264, 358.681

Rectangle

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



63, 18.689, 172.938



63, 18.689, 222.938



63, 18.689, 352.938



63, 18.689, 42.938

Sweetspot

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



63, 18.690, 172.936



82, 7.449, 174.899



63, 28.409, 133.900



43, 5.161, 174.763



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



63, 18.690, 172.936



79, 27.245, 172.249



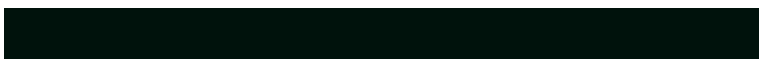
61, 13.821, 218.553



34, 3.826, 174.889



53, 46.386, 161.966



4, 6.206, 171.860

Inverse Universe

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



54, 20.264, 358.681



65, 30.097, 359.545



55, 16.766, 37.520



32, 3.926, 356.460



30, 57.226, 19.525



1, 5.914, 357.664

Previews

White Background



This preview shows how the CIELCh color 63, 18.689, 172.938 looks on a white background.

Color Contrast Check

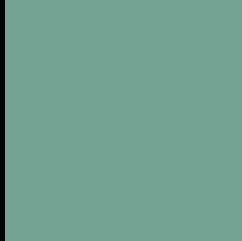
Large Text (above 18pt) WCAG AA × Fail

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, 18.689, 172.938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

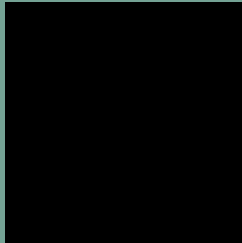
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

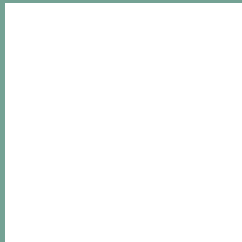
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 18.689, 172.938

Background



This preview shows how black text looks on a background with the CIELCh color 63, 18.689, 172.938.

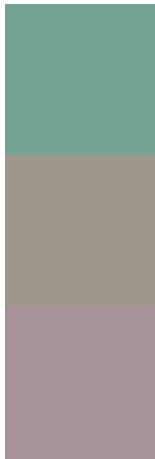


This preview shows how white text looks on a background with the CIELCh color 63, 18.689, 172.938.

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, 18.689, 172.938

Protanopia
63, 5.541, 84.195

Deuteranopia
63, 8.153, 4.320



Tritanopia
63, 14.452, 228.871

Trichromacy



Original Color
63, 18.689, 172.938

Protanomaly
63, 7.986, 148.486

Deuteranomaly
62, 1.908, 163.616

Tritanomaly
63, 14.175, 207.371

Monochromacy



Original Color
63, 18.689, 172.938

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 7.086, 175.414

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 18.689, 172.938 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(116, 162, 148)` looks like.

```
.text, #text, p{  
    color:rgb(116, 162, 148)  
}
```

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(116, 162, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 162, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 18.689, 172.938 is called "border". The border property can be set on classes, ids or directly on the HTML element.

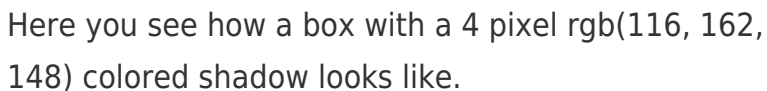
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 162, 148) }
```

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

```
.border{ border-color:rgb(116, 162, 148) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 162, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 162, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 162, 148); box-shadow:4px 4px 4px 4px rgb(116, 162, 148) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 18.689, 172.938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 162, 148) }
```

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

```
.background{ background-color: rgb(116,  
162, 148) }
```

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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