

Converting Colors

CIELCh(69, 24.121, 168.679)

Have a look what the booklet for
CIELCh(69, 24.121, 168.679)
contains.

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Color

CIELCh(69, 23.952, 168.637)

Conversions

Conversions Part 1

Format	Color
Hex	7AB49F
RGB	122, 180, 159
RGB Percent	48%, 71%, 62%
CMY	0.5211, 0.2936, 0.3760
CMYK	0.32, 0.00, 0.12, 0.29
HSL	158°, 28%, 59%
HSV	158°, 32%, 71%
XYZ	30.6562, 39.3444, 38.8328
YIQ	160.2640, -27.8270, -18.8270

Conversions

Conversions Part 2

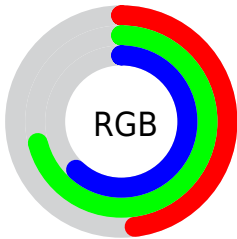
Format	Color
RYB	122, 157, 180
Decimal	8041631
CIELab	69.00, -23.48, 4.72
CIELCh	69, 23.952, 168.637
Yxy	39.3444, 0.2817, 0.3615
Android (android.graphics.Color)	4286231711 (0xFF7AB49F)
YUV	160.2640, -0.6232, -33.5575
Hunter-Lab	62.7251, -22.5290, 7.2015

Details

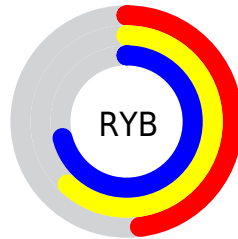
The CIELCh color $69, 23.952, 168.637$ is a light color, and the websafe version is hex 669999 . A complement of this color would be $58, 25.793, 355.250$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $89, 23.834, 169.048$, and $49, 23.740, 168.851$ is the 20% darker color. If you saturate the color by 10%, you get $68, 30.834, 167.435$, and if you desaturate by 10%, it is $70, 16.722, 169.727$.

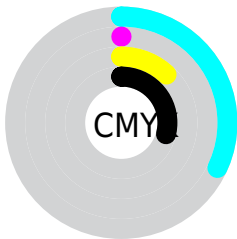
Distribution



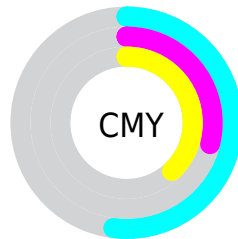
- Red (48%)
- Green (71%)
- Blue (62%)



- Red (48%)
- Yellow (62%)
- Blue (71%)



- Cyan (32%)
- Magenta (0%)
- Yellow (12%)
- Black (29%)





- Cyan (52%)
- Magenta (29%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 23.952, 168.637 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 69, 23.952, 168.637 by changing the saturation by 10% instead.


 69, 23.952,
168.637


 69, 23.952,
168.637


 100, 23.952,
168.637

 59, 23.952,
168.637


 89, 23.952,
168.637

 49, 23.952,
168.637

 99, 23.952,
168.637

 39, 23.952,
168.637

 29, 23.952,
168.637

 19, 23.952,
168.637

 9, 23.952, 168.637

 0, 23.952, 168.637

■ 69, 23.952,
168.637

■ 69, 23.952,
168.637

■ 68, 30.834,
167.435

■ 70, 16.722,
169.727

■ 67, 37.240,
166.102

■ 72, 9.260, 170.739

■ 73, 1.674, 171.860

■ 66, 43.052,
164.612

■ 75, 5.947, 352.387

■ 66, 48.176,
162.940

■ 76, 13.531,
353.223

■ 65, 52.560,
161.069

■ 78, 21.025,
353.983

■ 65, 56.213,
158.994

■ 80, 28.390,
354.697

■ 65, 58.706,
157.311

■ 81, 31.978,
351.431

■ 81, 33.598,
346.208

Harmonies

Complementary

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



69, 23.952, 168.637



58, 25.793, 355.250

Rectangle

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



69, 23.952, 168.637



69, 23.952, 218.637



69, 23.952, 348.637



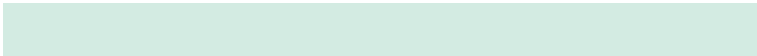
69, 23.952, 38.637

Sweetspot

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



69, 23.953, 168.635



91, 9.415, 170.940



69, 34.579, 132.111



48, 6.414, 170.803



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



69, 23.953, 168.635



87, 35.501, 167.751



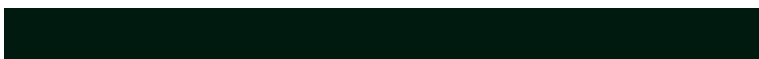
67, 17.365, 212.425



37, 4.271, 171.025



56, 51.761, 157.627



7, 11.173, 165.195

Inverse Universe

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



58, 25.793, 355.250



70, 38.893, 356.327



59, 21.823, 32.918



35, 4.363, 352.599



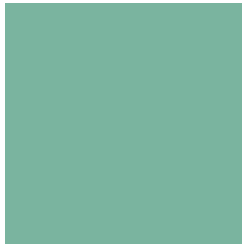
32, 58.292, 14.439



2, 9.930, 357.383

Previews

White Background



This preview shows how the CIELCh color 69, 23.952, 168.637 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 69, 23.952, 168.637 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 69, 23.952, 168.637

Background



This preview shows how black text looks on a background with the CIELCh color 69, 23.952, 168.637.

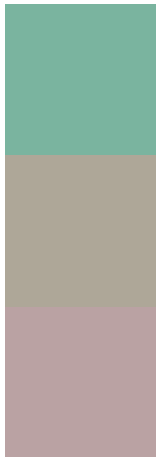


This preview shows how white text looks on a background with the CIELCh color 69, 23.952, 168.637.

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
69, 23.952, 168.637

Protanopia
69, 8.650, 90.751

Deuteranopia
69, 9.340, 16.858



Tritanopia
69, 17.212, 225.009

Trichromacy



Original Color
69, 23.952, 168.637

Protanomaly
69, 11.417, 143.887

Deuteranomaly
69, 4.484, 140.344

Tritanomaly
69, 17.454, 201.656

Monochromacy



Original Color
69, 23.952, 168.637

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 8.803, 172.592

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 23.952, 168.637 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(122, 180, 159)` looks like.

```
.text, #text, p{  
    color:rgb(122, 180, 159)  
}
```

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(122, 180, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 180, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 23.952, 168.637 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(122, 180, 159) }
```

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

```
.border{ border-color:rgb(122, 180, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 180, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 180, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 180, 159); box-shadow:4px 4px 4px 4px rgb(122, 180, 159) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 23.952, 168.637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 180, 159) }
```

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

```
.background{ background-color: rgb(122,  
180, 159) }
```

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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