

Converting Colors

CIELCh(68, 26.074, 169.727)

Have a look what the booklet for
CIELCh(68, 26.074, 169.727)
contains.

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Color

CIELCh(68, 25.649, 170.435)

Conversions

Conversions Part 1

Format	Color
Hex	72B29D
RGB	114, 178, 157
RGB Percent	45%, 70%, 62%
CMY	0.5520, 0.3010, 0.3834
CMYK	0.36, 0.00, 0.12, 0.30
HSL	160°, 29%, 57%
HSV	160°, 36%, 70%
XYZ	29.0438, 37.9720, 37.8013
YIQ	156.4700, -31.4030, -20.0990

Conversions

Conversions Part 2

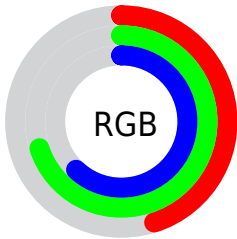
Format	Color
RYB	114, 152, 178
Decimal	7516829
CIELab	68.00, -25.29, 4.26
CIElCh	68, 25.649, 170.435
Yxy	37.9720, 0.2771, 0.3623
Android (android.graphics.Color)	4285706909 (0xFF72B29D)
YUV	156.4700, 0.2613, -37.2462
Hunter-Lab	61.6215, -23.7057, 6.7639

Details

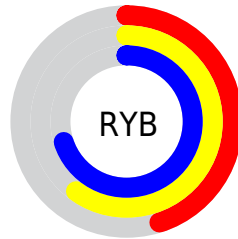
The CIELCh color **68, 25.649, 170.435** is a light color, and the websafe version is hex **669999**. A complement of this color would be **55, 28.205, 358.094**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 25.538, 170.911**, and **48, 25.572, 170.661** is the 20% darker color. If you saturate the color by 10%, you get **67, 32.078, 169.201**, and if you desaturate by 10%, it is **69, 18.810, 171.556**.

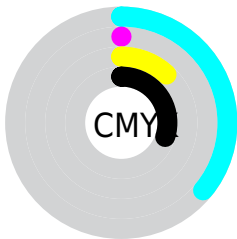
Distribution



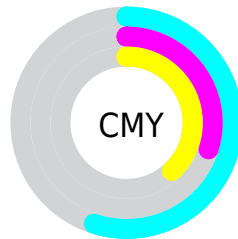
- Red (45%)
- Green (70%)
- Blue (62%)



- Red (45%)
- Yellow (60%)
- Blue (70%)



- Cyan (36%)
- Magenta (0%)
- Yellow (12%)
- Black (30%)





- Cyan (55%)
- Magenta (30%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 25.649, 170.435 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 68, 25.649, 170.435 by changing the saturation by 10% instead.


 68, 25.649,
170.435


 68, 25.649,
170.435


 100, 25.649,
170.435


 58, 25.649,
170.435


 88, 25.649,
170.435

 48, 25.649,
170.435

 98, 25.649,
170.435

 38, 25.649,
170.435

 28, 25.649,
170.435

 18, 25.649,
170.435

 8, 25.649, 170.435

 0, 25.649, 170.435

■ 68, 25.649,
170.435

■ 68, 25.649,
170.435

■ 67, 32.078,
169.201

■ 69, 18.810,
171.556

■ 66, 37.974,
167.834

■ 70, 11.678,
172.594

■ 66, 43.232,
166.310

■ 72, 4.364, 173.602

■ 65, 47.776,
164.603

■ 73, 3.036, 354.244

■ 65, 51.578,
162.699

■ 75, 10.444,
355.173

■ 64, 54.688,
160.602

■ 77, 17.801,
355.972

■ 64, 55.872,
159.749

■ 79, 25.060,
356.721

■ 80, 31.568,
356.822

■ 81, 32.728,
351.783

Harmonies

Complementary

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



68, 25.649, 170.435



55, 28.205, 358.094

Rectangle

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



68, 25.649, 170.435



68, 25.649, 220.435



68, 25.649, 350.435



68, 25.649, 40.435

Sweetspot

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



68, 25.650, 170.433



90, 10.039, 173.065



68, 38.552, 132.976



48, 6.794, 172.932



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



68, 25.650, 170.433



85, 37.428, 169.479



65, 18.505, 216.842



37, 4.180, 173.251



56, 49.681, 160.041



7, 10.899, 167.311

Inverse Universe

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



55, 28.205, 358.094



67, 42.024, 359.350



57, 23.920, 36.155



35, 4.283, 354.841



32, 58.923, 17.614



2, 9.801, 359.262

Previews

White Background



This preview shows how the CIELCh color 68, 25.649, 170.435 looks on a white background.

Color Contrast Check

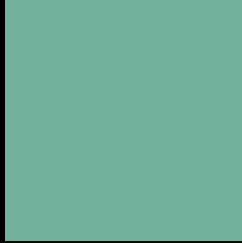
Large Text (above 18pt) WCAG AA × Fail

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 68, 25.649, 170.435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

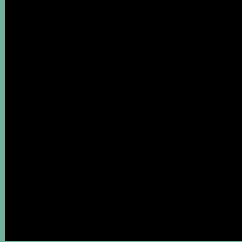
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 25.649, 170.435

Background



This preview shows how black text looks on a background with the CIELCh color 68, 25.649, 170.435.

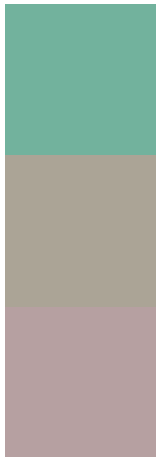


This preview shows how white text looks on a background with the CIELCh color 68, 25.649, 170.435.

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
68, 25.649, 170.435

Protanopia
68, 8.159, 89.593

Deuteranopia
68, 8.572, 16.479



Tritanopia
68, 18.812, 222.525

Trichromacy



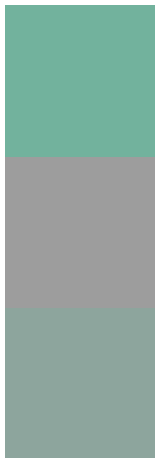
Original Color
68, 25.649, 170.435

Protanomaly
67, 11.476, 148.415

Deuteranomaly
68, 5.439, 153.936

Tritanomaly
68, 19.303, 199.501

Monochromacy



Original Color
68, 25.649, 170.435

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 10.069, 172.398

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 25.649, 170.435 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(114, 178, 157)` looks like.

```
.text, #text, p{  
    color:rgb(114, 178, 157)  
}
```

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(114, 178, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 178, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 25.649, 170.435 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(114, 178, 157) }
```

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

```
.border{ border-color:rgb(114, 178, 157) }
```

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

Here you see how a box with a 4 pixel rgb(114, 178, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 178, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 178, 157);  
box-shadow:4px 4px 4px 4px rgb(114, 178,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 25.649, 170.435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 178, 157) }
```

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

```
.background{ background-color: rgb(114,  
178, 157) }
```

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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