

Converting Colors

CIELCh(57, 21.836, 178.607)

Have a look what the booklet for
CIELCh(57, 21.836, 178.607)
contains.

CIELCh(57, 21.629, 178.810)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(57, 21.629, 178.810)

Conversions

Conversions Part 1

Format	Color
Hex	5A9387
RGB	90, 147, 135
RGB Percent	35%, 58%, 53%
CMY	0.6457, 0.4222, 0.4693
CMYK	0.39, 0.00, 0.08, 0.42
HSL	167°, 24%, 47%
HSV	167°, 39%, 58%
XYZ	19.1324, 24.9227, 26.8470
YIQ	128.5890, -30.1200, -15.8160

Conversions

Conversions Part 2

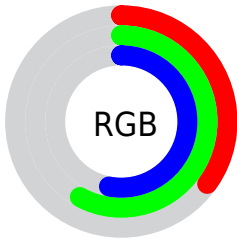
Format	Color
R_{YB}	90, 122, 147
Decimal	5936007
CIE _{Lab}	57.00, -21.62, 0.45
CIE _{LCh}	57, 21.629, 178.810
Yxy	24.9227, 0.2698, 0.3515
Android (android.graphics.Color)	4284126087 (0xFF5A9387)
YUV	128.5890, 3.1606, -33.8426
Hunter-Lab	49.9226, -18.9562, 3.0613

Details

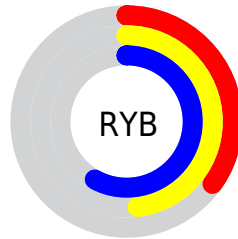
The CIELCh color **57, 21.629, 178.810** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **45, 25.248, 6.998**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 21.435, 178.708**, and **37, 21.652, 178.232** is the 20% darker color. If you saturate the color by 10%, you get **56, 26.384, 177.701**, and if you desaturate by 10%, it is **58, 16.442, 179.839**.

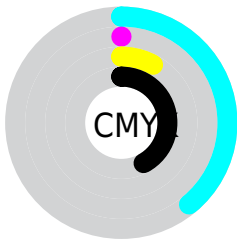
Distribution



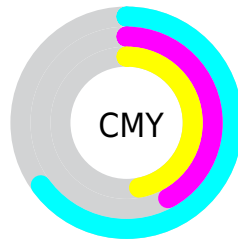
- Red (35%)
- Green (58%)
- Blue (53%)



- Red (35%)
- Yellow (48%)
- Blue (58%)



- Cyan (39%)
- Magenta (0%)
- Yellow (8%)
- Black (42%)





- Cyan (65%)
- Magenta (42%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 21.629, 178.810 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 57, 21.629, 178.810 by changing the saturation by 10% instead.


 57, 21.629,
178.810


 57, 21.629,
178.810


 100, 21.629,
178.810


 47, 21.629,
178.810


 77, 21.629,
178.810

 37, 21.629,
178.810

 87, 21.629,
178.810

 27, 21.629,
178.810

 97, 21.629,
178.810

 17, 21.629,
178.810

 7, 21.629, 178.810

 0, 21.629, 178.810

■ 57, 21.629,
178.810

■ 57, 21.629,
178.810

■ 56, 26.384,
177.701

■ 58, 16.442,
179.839

■ 56, 30.616,
176.499

■ 59, 10.917,
180.812

■ 55, 34.250,
175.179

■ 60, 5.147, 181.763

■ 55, 37.244,
173.721

■ 61, 0.786, 2.036

■ 63, 6.809, 3.321

■ 54, 39.593,
172.104

■ 64, 12.865, 4.147

■ 54, 41.437,
170.368

■ 66, 18.905, 4.928

■ 67, 24.897, 5.677

■ 54, 41.674,
170.148

■ 69, 30.813, 6.401

Harmonies

Complementary

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



57, 21.629, 178.810



45, 25.248, 6.998

Rectangle

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



57, 21.629, 178.810



57, 21.629, 228.810



57, 21.629, 358.810



57, 21.629, 48.810

Sweetspot

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



57, 21.630, 178.808



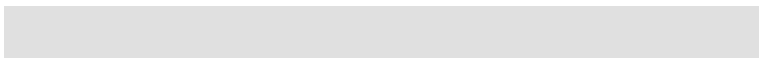
76, 8.752, 181.422



57, 36.804, 136.275



40, 5.842, 181.314



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



57, 21.630, 178.808



72, 31.017, 177.902



52, 16.423, 233.305



31, 3.353, 181.713



51, 39.606, 170.272



2, 2.969, 182.452

Inverse Universe

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



45, 25.248, 6.998



54, 37.523, 8.485



49, 20.941, 47.704



29, 3.471, 3.211



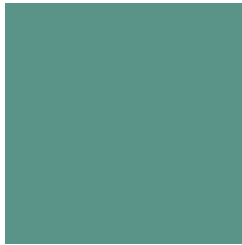
28, 57.685, 27.177



1, 2.969, 2.438

Previews

White Background



This preview shows how the CIELCh color 57, 21.629, 178.810 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 21.629, 178.810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

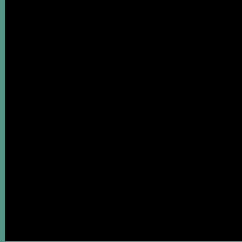
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 21.629, 178.810

Background



This preview shows how black text looks on a background with the CIELCh color 57, 21.629, 178.810.

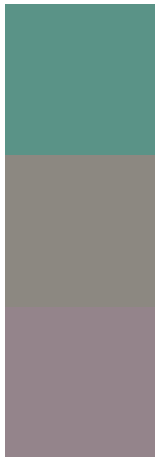


This preview shows how white text looks on a background with the CIELCh color 57, 21.629, 178.810.

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
57, 21.629, 178.810

Protanopia
57, 4.280, 87.628

Deuteranopia
57, 7.495, 348.052



Tritanopia
57, 17.334, 221.505

Trichromacy



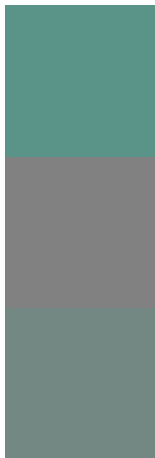
Original Color
57, 21.629, 178.810

Protanomaly
57, 8.748, 162.630

Deuteranomaly
57, 4.226, 199.082

Tritanomaly
57, 17.633, 203.416

Monochromacy



Original Color
57, 21.629, 178.810

Achromatopsia
54, 0.007, 296.813

Achromatomaly
55, 8.615, 179.056

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 21.629, 178.810 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(90, 147, 135)` looks like.

```
.text, #text, p{  
    color:rgb(90, 147, 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(90, 147, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 147, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 21.629, 178.810 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(90, 147, 135) }
```

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

```
.border{ border-color:rgb(90, 147, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 147, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 147, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 147, 135);  
box-shadow:4px 4px 4px 4px rgb(90, 147,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 21.629, 178.810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 147, 135) }
```

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

```
.background{ background-color: rgb(90, 147,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor