

Converting Colors

CIELCh(57, 13.952, 179.118)

Have a look what the booklet for
CIELCh(57, 13.952, 179.118)
contains.

CIELCh(57, 13.938, 178.901)	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(57, 13.938, 178.901)

Conversions

Conversions Part 1

Format	Color
Hex	6D9088
RGB	109, 144, 136
RGB Percent	43%, 56%, 53%
CMY	0.5730, 0.4358, 0.4672
CMYK	0.24, 0.00, 0.06, 0.44
HSL	166°, 14%, 50%
HSV	166°, 24%, 56%
XYZ	20.6783, 24.9227, 26.9640
YIQ	132.6230, -18.2920, -9.9080

Conversions

Conversions Part 2

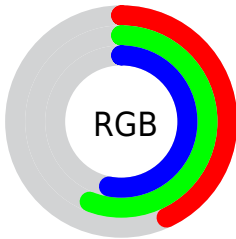
Format	Color
R_{YB}	109, 129, 144
Decimal	7180424
CIE _{Lab}	57.00, -13.94, 0.27
CIE _{LCh}	57, 13.938, 178.901
Yxy	24.9227, 0.2850, 0.3435
Android (android.graphics.Color)	4285370504 (0xFF6D9088)
YUV	132.6230, 1.6649, -20.7174
Hunter-Lab	49.9226, -13.4287, 2.9223

Details

The CIELCh color `57, 13.938, 178.901` is a dark color, and the websafe version is hex `669999`. A complement of this color would be `50, 15.224, 3.583`, and the grayscale version is `55, 0.007, 296.813`.

A 20% lighter version of the original color is `77, 14.131, 178.306`, and `37, 14.364, 177.338` is the 20% darker color. If you saturate the color by 10%, you get `56, 19.262, 177.876`, and if you desaturate by 10%, it is `58, 8.337, 179.867`.

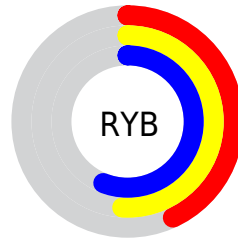
Distribution



Red (43%)

Green (56%)

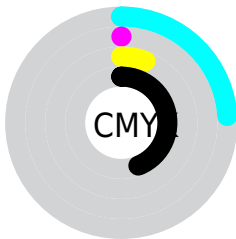
Blue (53%)



Red (43%)

Yellow (51%)

Blue (56%)

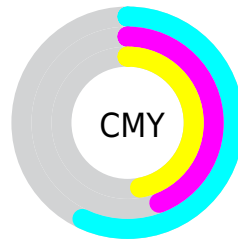


Cyan (24%)

Magenta (0%)

Yellow (6%)

Black (44%)



Cyan (57%)


Magenta (44%)


Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 13.938, 178.901 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, 13.938, 178.901 by changing the saturation by 10% instead.


 57, 13.938,
178.901


 57, 13.938,
178.901


 100, 13.938,
178.901


 47, 13.938,
178.901


 77, 13.938,
178.901

 37, 13.938,
178.901

 87, 13.938,
178.901

 27, 13.938,
178.901

 97, 13.938,
178.901

 17, 13.938,
178.901

 7, 13.938, 178.901

 0, 13.938, 178.901

■ 57, 13.938,
178.901

■ 57, 13.938,
178.901

■ 56, 19.262,
177.876

■ 58, 8.337, 179.867

■ 55, 24.213,
176.780

■ 59, 2.543, 180.874

■ 55, 28.700,
175.590

■ 60, 3.367, 1.458

■ 54, 32.641,
174.286

■ 62, 9.329, 2.351

■ 63, 15.292, 3.153

■ 54, 35.976,
172.845

■ 65, 21.216, 3.917

■ 67, 27.073, 4.652

■ 53, 38.680,
171.245

■ 68, 32.841, 5.360

■ 70, 38.507, 6.044

■ 53, 40.782,
169.477

■ 53, 41.863,

Harmonies

Complementary

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



57, 13.938, 178.901



50, 15.224, 3.583

Rectangle

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



57, 13.938, 178.901



57, 13.938, 228.901



57, 13.938, 358.901



57, 13.938, 48.901

Sweetspot

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



57, 13.939, 178.898



75, 5.067, 180.564



57, 22.654, 136.651



39, 3.317, 180.514



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



57, 13.939, 178.898



72, 20.295, 178.367



55, 10.600, 229.237



30, 3.285, 180.362



50, 39.938, 168.598



2, 2.244, 181.107

Inverse Universe

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



50, 15.224, 3.583



61, 22.630, 4.277



52, 12.277, 46.351



28, 3.394, 1.867



27, 56.261, 25.634



0, 2.244, 1.092

Previews

White Background



This preview shows how the CIELCh color 57, 13.938, 178.901 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 CIELCh color 57, 13.938, 178.901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

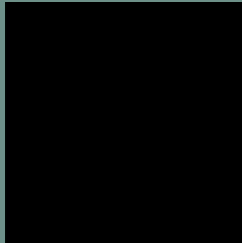
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 13.938, 178.901

Background



This preview shows how black text looks on a background with the CIELCh color 57, 13.938, 178.901.



This preview shows how white text looks on a background with the CIELCh color 57, 13.938, 178.901.

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, 13.938, 178.901

Protanopia
57, 3.248, 80.331

Deuteranopia
57, 7.572, 353.398



Tritanopia
57, 12.175, 233.037

Trichromacy



Original Color
57, 13.938, 178.901

Protanomaly
57, 5.230, 158.159

Deuteranomaly
57, 0.962, 236.251

Tritanomaly
57, 11.485, 212.879

Monochromacy



Original Color
57, 13.938, 178.901

Achromatopsia
55, 0.007, 296.813

Achromatomaly
56, 4.990, 178.814

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 13.938, 178.901 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(109, 144, 136)` looks like.

```
.text, #text, p{  
    color:rgb(109, 144, 136)  
}
```

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(109, 144, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 144, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 13.938, 178.901 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(109, 144, 136) }
```

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

```
.border{ border-color:rgb(109, 144, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 144, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 144, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 144, 136);  
box-shadow:4px 4px 4px 4px rgb(109, 144,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 13.938, 178.901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 144, 136) }
```

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

```
.background{ background-color: rgb(109,  
144, 136) }
```

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