

Converting Colors

CIELCh(63, 27.142, 212.993)

Have a look what the booklet for
CIELCh(63, 27.142, 212.993)
contains.

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Color

CIELCh(63, 27.082, 213.059)

Conversions

Conversions Part 1

Format	Color
Hex	4CA5B2
RGB	76, 165, 178
RGB Percent	30%, 65%, 70%
CMY	0.7027, 0.3536, 0.3026
CMYK	0.57, 0.07, 0.00, 0.30
HSL	188°, 40%, 50%
HSV	188°, 57%, 70%
XYZ	24.4101, 31.5869, 46.8414
YIQ	139.8710, -57.2170, -14.8250

Conversions

Conversions Part 2

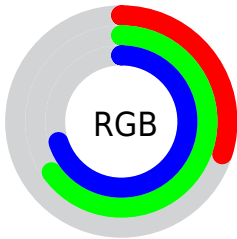
Format	Color
RYB	76, 124, 178
Decimal	5023154
CIELab	63.00, -22.70, -14.77
CIElCh	63, 27.082, 213.059
Yxy	31.5869, 0.2374, 0.3072
Android (android.graphics.Color)	4283213234 (0xFF4CA5B2)
YUV	139.8710, 18.7976, -56.0149
Hunter-Lab	56.2022, -20.8266, -10.0733




Details

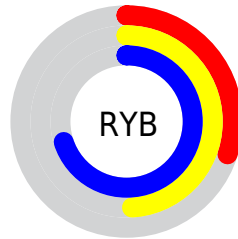
The CIELCh color **63, 27.082, 213.059** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **48, 42.541, 34.724**, and the grayscale version is **58, 0.007, 296.813**.



A 20% lighter version of the original color is **83, 26.988, 213.788**, and **43, 26.470, 212.769** is the 20% darker color. If you saturate the color by 10%, you get **62, 29.763, 214.049**, and if you desaturate by 10%, it is **64, 23.671, 212.346**.

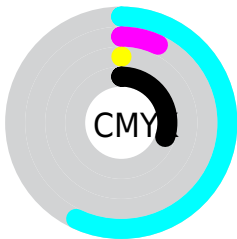
Distribution







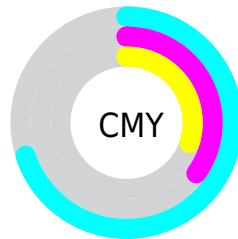
-  Red (30%)
-  Green (65%)
-  Blue (70%)






-  Red (30%)
-  Yellow (49%)
-  Blue (70%)



-  Cyan (57%)
-  Magenta (7%)
-  Yellow (0%)
-  Black (30%)





-  Cyan (70%)
-  Magenta (35%)
-  Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 27.082, 213.059 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, 27.082, 213.059 by changing the saturation by 10% instead.


 63, 27.082,
213.059


 63, 27.082,
213.059


 100, 27.082,
213.059


 53, 27.082,
213.059


 83, 27.082,
213.059

 43, 27.082,
213.059

 93, 27.082,
213.059

 33, 27.082,
213.059

 23, 27.082,
213.059

 13, 27.082,
213.059

 3, 27.082, 213.059

 0, 27.082, 213.059

63, 27.082,
213.059

63, 27.082,
213.059

62, 29.763,
214.049

64, 23.671,
212.346

61, 31.683,
215.373

66, 19.596,
211.868

60, 32.857,
217.079

67, 14.944,
211.581

59, 33.392,
219.187

69, 9.806, 211.456

59, 33.500,
219.766

71, 4.275, 211.500

73, 1.565, 31.128

75, 7.639, 31.531

77, 13.884, 31.760

80, 20.248, 32.012

Harmonies

Complementary

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



63, 27.082, 213.059



48, 42.541, 34.724

Rectangle

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



63, 27.082, 213.059



63, 27.082, 263.059



63, 27.082, 33.059



63, 27.082, 83.059

Sweetspot

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



63, 27.082, 213.057



88, 11.922, 211.455



65, 61.175, 142.652



47, 7.990, 211.468



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



63, 27.082, 213.057



79, 37.079, 214.388



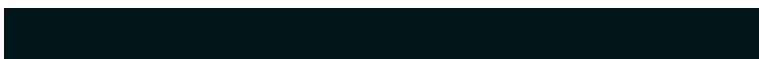
48, 37.955, 278.217



37, 3.282, 211.472



51, 30.004, 219.453



6, 7.801, 217.686

Inverse Universe

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



49, 60.041, 331.527



59, 85.151, 332.274



60, 39.625, 79.215



35, 6.184, 328.634



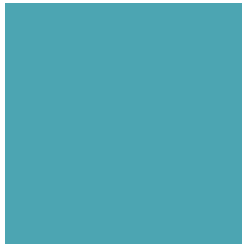
35, 71.532, 333.957



2, 14.283, 330.043

Previews

White Background



This preview shows how the CIELCh color 63, 27.082, 213.059 looks on a white background.

Color Contrast Check

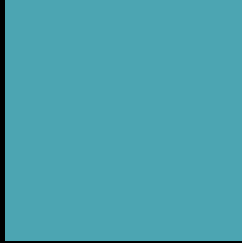
Large Text (above 18pt) WCAG AA × Fail

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, 27.082, 213.059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

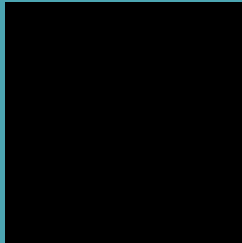
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 27.082, 213.059

Background



This preview shows how black text looks on a background with the CIELCh color 63, 27.082, 213.059.

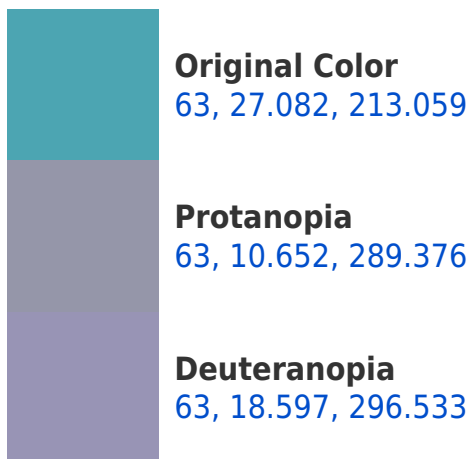



This preview shows how white text looks on a background with the CIELCh color 63, 27.082, 213.059.

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





Tritanopia
63, 27.082, 213.059

Trichromacy



Original Color
63, 27.082, 213.059



Protanomaly
62, 14.554, 239.833



Deuteranomaly
62, 17.411, 256.187



Tritanomaly
63, 27.082, 213.059

Monochromacy



Original Color
63, 27.082, 213.059



Achromatopsia
58, 0.007, 296.813



Achromatomaly
60, 11.751, 212.427

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 27.082, 213.059 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(76, 165, 178)` looks like.

```
.text, #text, p{  
    color:rgb(76, 165, 178)  
}
```

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(76, 165, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 165, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 27.082, 213.059 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(76, 165, 178) }
```

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

```
.border{ border-color:rgb(76, 165, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 165, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 165, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 165, 178);  
box-shadow:4px 4px 4px 4px rgb(76, 165,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 27.082, 213.059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 165, 178) }
```

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

```
.background{ background-color: rgb(76, 165,  
178) }
```

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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