

Converting Colors

CIELCh(62, 27.530, 173.405)

Have a look what the booklet for
CIELCh(62, 27.530, 173.405)
contains.

CIELCh(62, 27.705, 173.014)	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(62, 27.705, 173.014)

Conversions

Conversions Part 1

Format	Color
Hex	5BA38F
RGB	91, 163, 143
RGB Percent	36%, 64%, 56%
CMY	0.6431, 0.3608, 0.4392
CMYK	0.44, 0.00, 0.12, 0.36
HSL	163°, 28%, 50%
HSV	163°, 44%, 64%
XYZ	22.3702, 30.4025, 30.6767
YIQ	139.1920, -36.4920, -21.4840

Conversions

Conversions Part 2

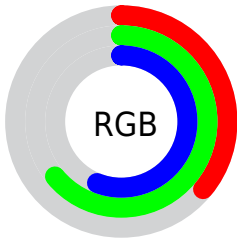
Format	Color
R_YB	91, 133, 163
Decimal	6005647
CIE _{Lab}	62.00, -27.50, 3.37
CIE _{LCh}	62, 27.705, 173.014
Yxy	30.4025, 0.2681, 0.3643
Android (android.graphics.Color)	4284195727 (0xFF5BA38F)
YUV	139.1920, 1.8773, -42.2644
Hunter-Lab	55.1385, -24.0732, 5.6106

Details

The CIELCh color **62, 27.705, 173.014** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **48, 31.930, 3.020**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 27.447, 173.471**, and **42, 27.820, 173.141** is the 20% darker color. If you saturate the color by 10%, you get **61, 32.965, 171.732**, and if you desaturate by 10%, it is **63, 21.952, 174.180**.

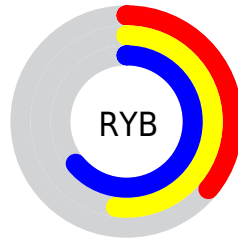
Distribution



Red (36%)

Green (64%)

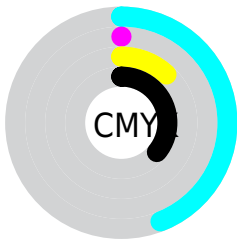
Blue (56%)



Red (36%)

Yellow (52%)

Blue (64%)

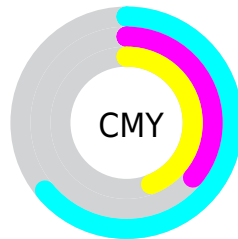


Cyan (44%)

Magenta (0%)

Yellow (12%)

Black (36%)



Cyan (64%)


Magenta (36%)


Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 27.705, 173.014 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 62, 27.705, 173.014 by changing the saturation by 10% instead.


 62, 27.705,
173.014


 62, 27.705,
173.014


 100, 27.705,
173.014


 52, 27.705,
173.014


 82, 27.705,
173.014

 42, 27.705,
173.014

 92, 27.705,
173.014

 32, 27.705,
173.014

 22, 27.705,
173.014

 12, 27.705,
173.014

 2, 27.705, 173.014

 0, 27.705, 173.014

■ 62, 27.705,
173.014

■ 62, 27.705,
173.014

■ 61, 32.965,
171.732

■ 63, 21.952,
174.180

■ 61, 37.632,
170.315

■ 64, 15.810,
175.255

■ 60, 41.637,
168.738

■ 65, 9.388, 176.264

■ 60, 44.949,
166.981

■ 66, 2.783, 177.295

■ 68, 3.918, 357.912

■ 60, 47.594,
165.034

■ 69, 10.646,
358.806

■ 59, 48.978,
163.886

■ 71, 17.345,
359.609

■ 73, 23.974, 0.369

■ 75, 30.503, 1.096

Harmonies

Complementary

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



62, 27.705, 173.014



48, 31.930, 3.020

Rectangle

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



62, 27.705, 173.014



62, 27.705, 223.014



62, 27.705, 353.014



62, 27.705, 43.014

Sweetspot

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



62, 27.706, 173.012



83, 10.662, 176.355



62, 44.519, 134.042



44, 7.504, 176.146



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



62, 27.706, 173.012



78, 39.918, 171.757



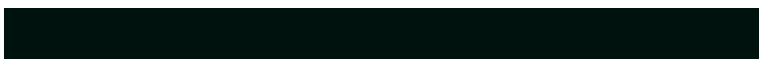
58, 20.008, 224.486



34, 3.768, 176.748



53, 44.879, 164.108



4, 6.104, 173.685

Inverse Universe

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



48, 31.930, 3.020



57, 47.459, 4.990



51, 27.399, 41.095



32, 3.876, 358.318



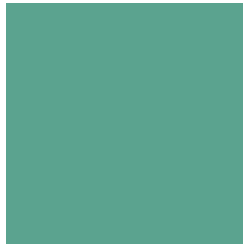
30, 57.926, 21.888



1, 5.843, 359.394

Previews

White Background



This preview shows how the CIELCh color 62, 27.705, 173.014 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 62, 27.705, 173.014 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 62, 27.705, 173.014

Background



This preview shows how black text looks on a background with the CIELCh color 62, 27.705, 173.014.

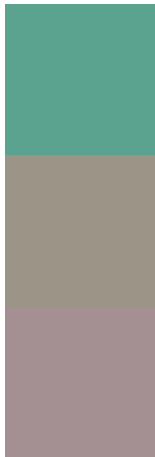


This preview shows how white text looks on a background with the CIELCh color 62, 27.705, 173.014.

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
62, 27.705, 173.014

Protanopia
62, 8.180, 92.133

Deuteranopia
62, 8.067, 8.181



Tritanopia
62, 20.525, 218.862

Trichromacy



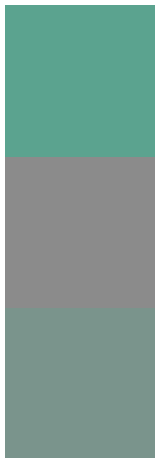
Original Color
62, 27.705, 173.014

Protanomaly
62, 12.448, 152.238

Deuteranomaly
61, 6.081, 171.363

Tritanomaly
62, 21.367, 199.081

Monochromacy



Original Color
62, 27.705, 173.014

Achromatopsia
58, 0.007, 296.813

Achromatomaly
59, 10.919, 173.846

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 27.705, 173.014 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(91, 163, 143)` looks like.

```
.text, #text, p{  
    color:rgb(91, 163, 143)  
}
```

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(91, 163, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 163, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 27.705, 173.014 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(91, 163, 143) }
```

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

```
.border{ border-color:rgb(91, 163, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 163, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 163, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 163, 143);  
box-shadow:4px 4px 4px 4px rgb(91, 163,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 27.705, 173.014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 163, 143) }
```

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

```
.background{ background-color: rgb(91, 163,  
143) }
```

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