

Converting Colors

CIELCh(62, 12.315, 201.378)

Have a look what the booklet for
CIELCh(62, 12.315, 201.378)
contains.

CIELCh(62, 12.245, 200.985)	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, 12.245, 200.985)

Conversions

Conversions Part 1

Format	Color
Hex	7A9C9D
RGB	122, 156, 157
RGB Percent	48%, 61%, 62%
CMY	0.5211, 0.3877, 0.3838
CMYK	0.22, 0.01, 0.00, 0.38
HSL	182°, 15%, 55%
HSV	182°, 22%, 62%
XYZ	26.0479, 30.4025, 36.4482
YIQ	145.9480, -20.5850, -6.8970

Conversions

Conversions Part 2

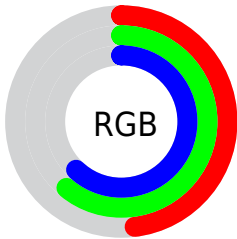
Format	Color
RYB	122, 139, 157
Decimal	8035485
CIELab	62.00, -11.43, -4.39
CIElCh	62, 12.245, 200.985
Yxy	30.4025, 0.2804, 0.3273
Android (android.graphics.Color)	4286225565 (0xFF7A9C9D)
YUV	145.9480, 5.4486, -21.0024
Hunter-Lab	55.1385, -12.1675, -0.5956

Details

The CIELCh color **62, 12.245, 200.985** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **55, 14.176, 23.225**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 12.435, 201.009**, and **42, 12.371, 200.786** is the 20% darker color. If you saturate the color by 10%, you get **61, 17.109, 200.653**, and if you desaturate by 10%, it is **63, 6.953, 201.385**.

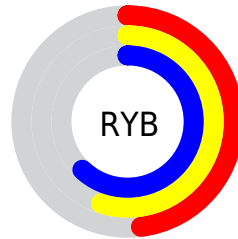
Distribution



Red (48%)

Green (61%)

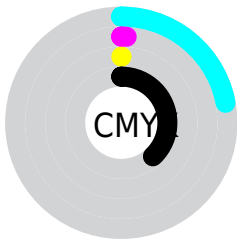
Blue (62%)



Red (48%)

Yellow (55%)

Blue (62%)

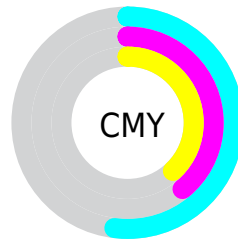


Cyan (22%)

Magenta (1%)

Yellow (0%)

Black (38%)



Cyan (52%)


Magenta (39%)


Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 12.245, 200.985 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, 12.245, 200.985 by changing the saturation by 10% instead.


 62, 12.245,
200.985


 62, 12.245,
200.985


 100, 12.245,
200.985


 52, 12.245,
200.985


 82, 12.245,
200.985

 42, 12.245,
200.985

 92, 12.245,
200.985

 32, 12.245,
200.985

 22, 12.245,
200.985

 12, 12.245,
200.985

 2, 12.245, 200.985

 0, 12.245, 200.985

■ 62, 12.245,
200.985

■ 62, 12.245,
200.985

■ 61, 17.109,
200.653

■ 63, 6.953, 201.385

■ 60, 21.453,
200.406

■ 64, 1.321, 202.098

■ 66, 4.569, 22.114

■ 59, 25.193,
200.246

■ 67, 10.645, 22.671

■ 59, 28.258,
200.182

■ 69, 16.847, 23.209

■ 71, 23.123, 23.753

■ 58, 30.604,
200.224

■ 73, 29.435, 24.303

■ 58, 32.222,
200.377

■ 74, 35.751, 24.853

■ 75, 38.551, 25.282

■ 57, 33.149,
200.645

■ 57, 33.563,

Harmonies

Complementary

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



62, 12.245, 200.985



55, 14.176, 23.225

Rectangle

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



62, 12.245, 200.985



62, 12.245, 250.985



62, 12.245, 20.985



62, 12.245, 70.985

Sweetspot

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



62, 12.245, 200.979



81, 4.968, 201.646



61, 23.749, 143.464



42, 3.217, 201.616



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



62, 12.245, 200.979



78, 18.028, 200.799



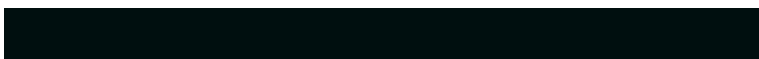
57, 11.799, 260.419



33, 3.244, 201.531



52, 31.306, 200.865



3, 4.318, 202.472

Inverse Universe

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



56, 23.575, 326.410



68, 35.327, 326.693



59, 12.428, 74.455



31, 5.987, 325.688



33, 73.424, 329.373



1, 7.755, 325.394

Previews

White Background



This preview shows how the CIELCh color 62, 12.245, 200.985 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, 12.245, 200.985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

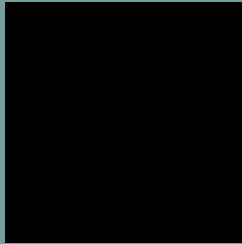
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

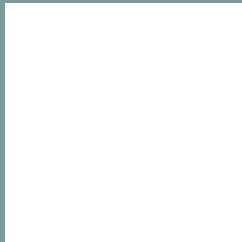
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 62, 12.245, 200.985

Background



This preview shows how black text looks on a background with the CIELCh color 62, 12.245, 200.985.

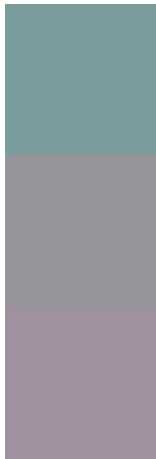


This preview shows how white text looks on a background with the CIELCh color 62, 12.245, 200.985.

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, 12.245, 200.985

Protanopia
62, 2.387, 309.139

Deuteranopia
62, 9.548, 324.891



Tritanopia
62, 12.597, 231.088

Trichromacy



Original Color
62, 12.245, 200.985

Protanomaly
62, 4.621, 213.184

Deuteranomaly
62, 5.161, 278.169

Tritanomaly
62, 12.063, 220.477

Monochromacy



Original Color
62, 12.245, 200.985

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 4.910, 199.035

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 12.245, 200.985 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(122, 156, 157)` looks like.

```
.text, #text, p{  
    color:rgb(122, 156, 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(122, 156, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 156, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 12.245, 200.985 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(122, 156, 157) }
```

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

```
.border{ border-color:rgb(122, 156, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 156, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 156, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 156, 157); box-shadow:4px 4px 4px 4px rgb(122, 156, 157) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 12.245, 200.985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 156, 157) }
```

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

```
.background{ background-color: rgb(122,  
156, 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](#).

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