

Converting Colors

CIELCh(64, 12.031, 188.229)

Have a look what the booklet for
CIELCh(64, 12.031, 188.229)
contains.

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Color

CIELCh(64, 11.824, 190.212)

Conversions

Conversions Part 1

Format	Color
Hex	81A19E
RGB	129, 161, 158
RGB Percent	51%, 63%, 62%
CMY	0.4927, 0.3671, 0.3789
CMYK	0.20, 0.00, 0.02, 0.37
HSL	174°, 15%, 57%
HSV	174°, 20%, 63%
XYZ	28.1260, 32.8017, 37.3687
YIQ	151.0900, -18.1090, -7.7170

Conversions

Conversions Part 2

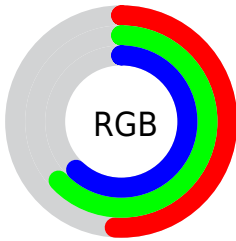
Format	Color
RYB	129, 146, 161
Decimal	8495518
CIELab	64.00, -11.64, -2.10
CIELCh	64, 11.824, 190.212
Yxy	32.8017, 0.2861, 0.3337
Android (android.graphics.Color)	4286685598 (0xFF81A19E)
YUV	151.0900, 3.4066, -19.3729
Hunter-Lab	57.2727, -12.5680, 1.4060

Details

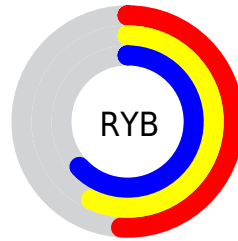
The CIELCh color `64, 11.824, 190.212` is a light color, and the websafe version is hex `669999`. A complement of this color would be `57, 13.128, 13.394`, and the grayscale version is `63, 0.008, 296.813`.

A 20% lighter version of the original color is `84, 11.983, 190.974`, and `44, 11.572, 192.082` is the 20% darker color. If you saturate the color by 10%, you get `63, 17.294, 189.436`, and if you desaturate by 10%, it is `65, 5.994, 190.994`.

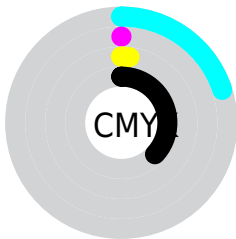
Distribution



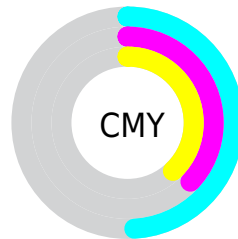
- Red (51%)
- Green (63%)
- Blue (62%)



- Red (51%)
- Yellow (57%)
- Blue (63%)



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (37%)





- Cyan (49%)
- Magenta (37%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 11.824, 190.212 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 64, 11.824, 190.212 by changing the saturation by 10% instead.


 64, 11.824,
190.212


 64, 11.824,
190.212


 100, 11.824,
190.212


 54, 11.824,
190.212


 84, 11.824,
190.212

 44, 11.824,
190.212

 94, 11.824,
190.212

 34, 11.824,
190.212

 24, 11.824,
190.212

 14, 11.824,
190.212

 4, 11.824, 190.212

 0, 11.824, 190.212

■ 64, 11.824,
190.212

■ 64, 11.824,
190.212

■ 63, 17.294,
189.436

■ 65, 5.994, 190.994

■ 62, 22.303,
188.658

■ 66, 0.104, 7.254

■ 68, 6.386, 12.326

■ 61, 26.754,
187.864

■ 69, 12.783, 13.091

■ 61, 30.561,
187.042

■ 71, 19.235, 13.824

■ 73, 25.697, 14.542

■ 60, 33.660,
186.178

■ 74, 32.135, 15.245

■ 60, 36.022,
185.257

■ 76, 37.142, 15.521

■ 76, 37.121, 14.285

■ 60, 37.664,
184.261

■ 60, 38.771,

183.204

■ 60, 38.789,
183.187

Harmonies

Complementary

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



64, 11.824, 190.212



57, 13.128, 13.394

Rectangle

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



64, 11.824, 190.212



64, 11.824, 240.212



64, 11.824, 10.212



64, 11.824, 60.212

Sweetspot

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



64, 11.825, 190.207



83, 4.545, 191.317



63, 21.150, 140.637



44, 3.006, 191.262



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



64, 11.825, 190.207



80, 17.453, 189.851



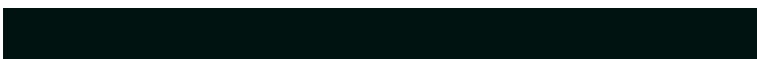
60, 9.852, 246.328



34, 3.483, 191.040



54, 35.893, 183.293



4, 5.561, 189.422

Inverse Universe

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



57, 13.128, 13.394



70, 19.898, 13.924



60, 10.711, 61.897



32, 3.651, 12.324



30, 64.804, 35.272



1, 5.514, 12.369

Previews

White Background



This preview shows how the CIELCh color 64, 11.824, 190.212 looks on a white background.

Color Contrast Check

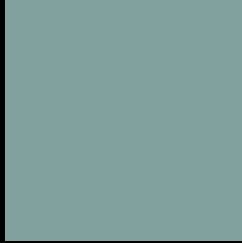
Large Text (above 18pt) WCAG AA × Fail

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 64, 11.824, 190.212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

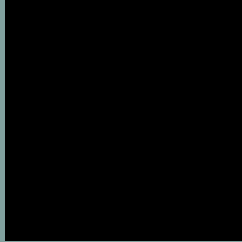
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 11.824, 190.212

Background



This preview shows how black text looks on a background with the CIELCh color 64, 11.824, 190.212.

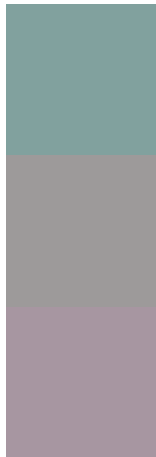


This preview shows how white text looks on a background with the CIELCh color 64, 11.824, 190.212.

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


64, 11.824, 190.212

Protanopia

64, 1.155, 19.119

Deuteranopia

64, 8.975, 337.196



Tritanopia
64, 11.765, 237.004

Trichromacy



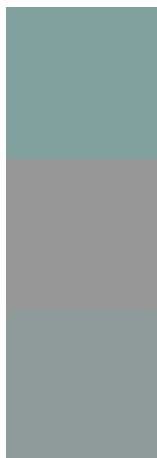
Original Color
64, 11.824, 190.212

Protanomaly
64, 3.825, 190.786

Deuteranomaly
64, 3.369, 284.133

Tritanomaly
64, 10.940, 219.610

Monochromacy



Original Color
64, 11.824, 190.212

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 4.571, 192.046

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 11.824, 190.212 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(129, 161, 158)` looks like.

```
.text, #text, p{  
    color:rgb(129, 161, 158)  
}
```

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(129, 161, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 161, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 11.824, 190.212 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(129, 161, 158) }
```

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

```
.border{ border-color:rgb(129, 161, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 161, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 161, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 161, 158);  
box-shadow:4px 4px 4px 4px rgb(129, 161,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 11.824, 190.212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 161, 158) }
```

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

```
.background{ background-color: rgb(129,  
161, 158) }
```

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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