

Converting Colors

CIELCh(63, 31.757, 190.939)

Have a look what the booklet for
CIELCh(63, 31.757, 190.939)
contains.

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Color

CIELCh(63, 31.895, 190.624)

Conversions

Conversions Part 1

Format	Color
Hex	3EA8A2
RGB	62, 168, 162
RGB Percent	24%, 66%, 64%
CMY	0.7574, 0.3416, 0.3651
CMYK	0.63, 0.00, 0.04, 0.34
HSL	177°, 46%, 45%
HSV	177°, 63%, 66%
XYZ	22.4707, 31.5869, 39.0422
YIQ	135.6220, -61.2500, -24.3380

Conversions

Conversions Part 2

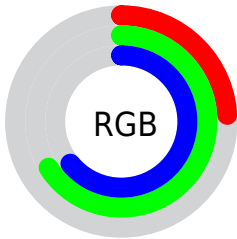
Format	Color
RYB	62, 117, 168
Decimal	4106402
CIELab	63.00, -31.35, -5.88
CIELCh	63, 31.895, 190.624
Yxy	31.5869, 0.2414, 0.3393
Android (android.graphics.Color)	4282296482 (0xFF3EA8A2)
YUV	135.6220, 13.0044, -64.5665
Hunter-Lab	56.2022, -26.9864, -1.8456

Details

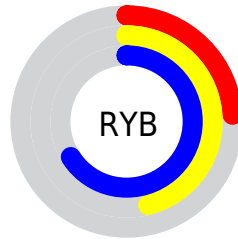
The CIELCh color **63, 31.895, 190.624** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **41, 48.249, 24.145**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 31.972, 190.519**, and **43, 28.801, 190.189** is the 20% darker color. If you saturate the color by 10%, you get **63, 34.634, 189.981**, and if you desaturate by 10%, it is **64, 28.395, 191.257**.

Distribution



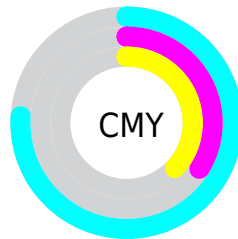
- Red (24%)
- Green (66%)
- Blue (64%)



- Red (24%)
- Yellow (46%)
- Blue (66%)



- Cyan (63%)
- Magenta (0%)
- Yellow (4%)
- Black (34%)





- Cyan (76%)
- Magenta (34%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 31.895, 190.624 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, 31.895, 190.624 by changing the saturation by 10% instead.


 63, 31.895,
190.624


 63, 31.895,
190.624


 100, 31.895,
190.624


 53, 31.895,
190.624


 83, 31.895,
190.624

 43, 31.895,
190.624

 93, 31.895,
190.624

 33, 31.895,
190.624

 23, 31.895,
190.624

 13, 31.895,
190.624

 3, 31.895, 190.624

 0, 31.895, 190.624

63, 31.895,
190.624

63, 31.895,
190.624

63, 34.634,
189.981

64, 28.395,
191.257

62, 36.604,
189.319

64, 24.184,
191.893

62, 37.846,
188.624

65, 19.340,
192.538

62, 38.435,
188.136

66, 13.960,
193.197

67, 8.144, 193.882

68, 1.992, 194.733

70, 4.405, 15.063

71, 10.968, 15.811

73, 17.629, 16.512

Harmonies

Complementary

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



63, 31.895, 190.624



41, 48.249, 24.145

Rectangle

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



63, 31.895, 190.624



63, 31.895, 240.624



63, 31.895, 10.624



63, 31.895, 60.624

Sweetspot

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



63, 31.895, 190.623



85, 14.393, 193.453



61, 67.142, 137.846



44, 9.815, 193.268



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



63, 31.895, 190.623



80, 43.400, 189.703



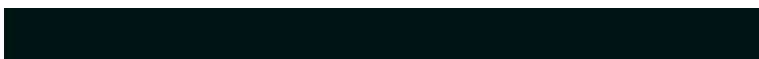
49, 30.740, 260.680



35, 3.542, 194.163



55, 34.998, 188.217



5, 6.624, 192.910

Inverse Universe

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



41, 48.249, 24.145



49, 72.701, 28.944



51, 40.165, 61.170



33, 3.729, 15.324



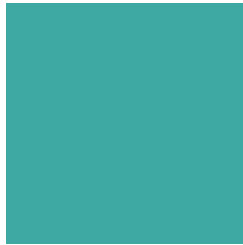
30, 67.034, 37.061



1, 6.595, 15.357

Previews

White Background



This preview shows how the CIELCh color 63, 31.895, 190.624 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, 31.895, 190.624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

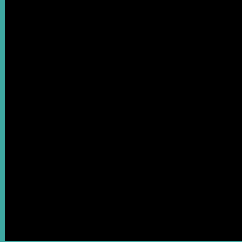
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

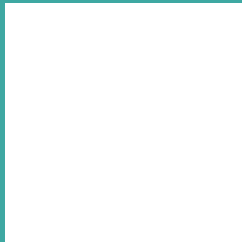
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 31.895, 190.624

Background



This preview shows how black text looks on a background with the CIELCh color 63, 31.895, 190.624.

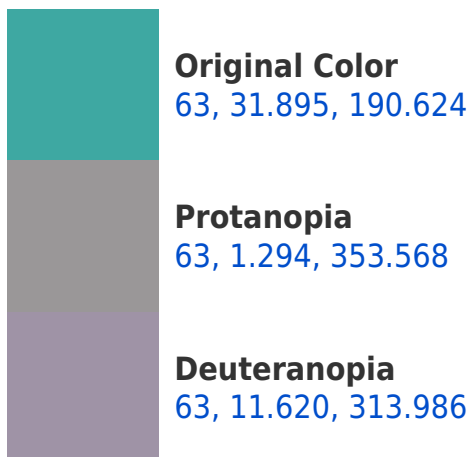


This preview shows how white text looks on a background with the CIELCh color 63, 31.895, 190.624.

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, 28.239, 213.527

Trichromacy



Original Color
63, 31.895, 190.624



Protanomaly
62, 13.342, 195.809



Deuteranomaly
62, 12.134, 226.262



Tritanomaly
63, 29.048, 204.886

Monochromacy



Original Color
63, 31.895, 190.624



Achromatopsia
57, 0.007, 296.813



Achromatomaly
58, 14.301, 191.200

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 31.895, 190.624 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(62, 168, 162)` looks like.

```
.text, #text, p{  
    color:rgb(62, 168, 162)  
}
```

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(62, 168, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 168, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 31.895, 190.624 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(62, 168, 162) }
```

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

```
.border{ border-color:rgb(62, 168, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 168, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 168, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 168, 162);  
box-shadow:4px 4px 4px 4px rgb(62, 168,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 31.895, 190.624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 168, 162) }
```

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

```
.background{ background-color: rgb(62, 168,  
162) }
```

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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