

Converting Colors

CIELCh(63, 31.565, 218.583)

Have a look what the booklet for
CIELCh(63, 31.565, 218.583)
contains.

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Color

CIELCh(63, 31.583, 218.115)

Conversions

Conversions Part 1

Format	Color
Hex	33A6BA
RGB	51, 166, 186
RGB Percent	20%, 65%, 73%
CMY	0.7991, 0.3484, 0.2700
CMYK	0.72, 0.11, 0.00, 0.27
HSL	189°, 57%, 47%
HSV	189°, 72%, 73%
XYZ	23.9179, 31.5869, 51.3744
YIQ	133.8950, -74.9600, -18.1600

Conversions

Conversions Part 2

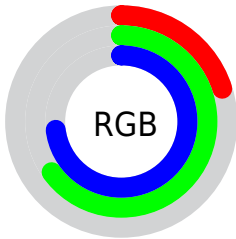
Format	Color
RYB	51, 113, 186
Decimal	3385018
CIELab	63.00, -24.85, -19.49
CIELCh	63, 31.583, 218.115
Yxy	31.5869, 0.2238, 0.2955
Android (android.graphics.Color)	4281575098 (0xFF33A6BA)
YUV	133.8950, 25.6878, -72.6989
Hunter-Lab	56.2022, -22.3901, -14.8553

Details

The CIELCh color **63, 31.583, 218.115** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **46, 57.685, 38.342**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 31.437, 218.454**, and **44, 26.951, 222.307** is the 20% darker color. If you saturate the color by 10%, you get **62, 33.179, 219.967**, and if you desaturate by 10%, it is **64, 29.217, 216.682**.

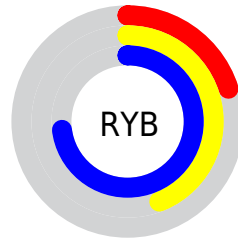
Distribution



Red (20%)

Green (65%)

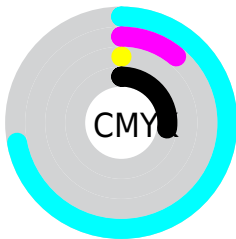
Blue (73%)



Red (20%)

Yellow (44%)

Blue (73%)

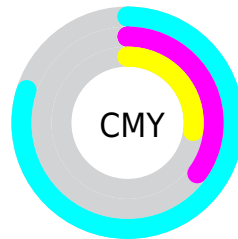


Cyan (72%)

Magenta (11%)

Yellow (0%)

Black (27%)



Cyan (80%)


Magenta (35%)


Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 31.583, 218.115 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, 31.583, 218.115 by changing the saturation by 10% instead.


 63, 31.583,
218.115


 63, 31.583,
218.115


 100, 31.583,
218.115


 53, 31.583,
218.115


 83, 31.583,
218.115

 43, 31.583,
218.115

 93, 31.583,
218.115

 33, 31.583,
218.115

 23, 31.583,
218.115

 13, 31.583,
218.115

 3, 31.583, 218.115

 0, 31.583, 218.115

■ 63, 31.583,
218.115

■ 63, 31.583,
218.115

■ 62, 33.179,
219.967

■ 64, 29.217,
216.682

■ 61, 34.062,
222.297

■ 66, 26.091,
215.607

■ 60, 34.418,
224.297

■ 67, 22.253,
214.829

■ 69, 17.781,
214.294

■ 71, 12.768,
213.960

■ 73, 7.308, 213.798

■ 75, 1.492, 214.007

■ 77, 4.601, 33.566

Harmonies

Complementary

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



63, 31.583, 218.115



46, 57.685, 38.342

Rectangle

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



63, 31.583, 218.115



63, 31.583, 268.115



63, 31.583, 38.115



63, 31.583, 88.115

Sweetspot

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



63, 31.582, 218.114



90, 15.481, 213.957



67, 76.048, 141.022



48, 10.389, 214.029



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



63, 31.582, 218.114



78, 41.167, 221.293



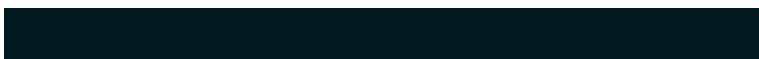
44, 51.617, 284.495



39, 3.383, 213.788



52, 30.514, 223.905



8, 9.756, 219.399

Inverse Universe

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



46, 72.768, 333.276



57, 96.968, 334.336



60, 52.244, 78.300



37, 6.381, 329.311



36, 72.097, 335.072



3, 18.555, 331.510

Previews

White Background



This preview shows how the CIELCh color 63, 31.583, 218.115 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, 31.583, 218.115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

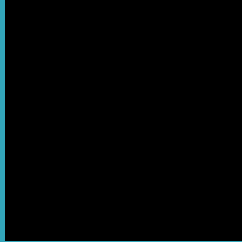
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 31.583, 218.115

Background



This preview shows how black text looks on a background with the CIELCh color 63, 31.583, 218.115.

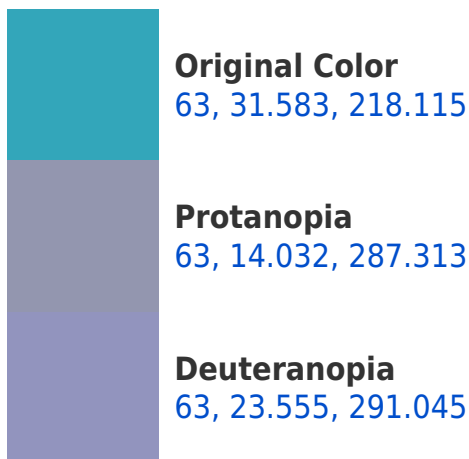



This preview shows how white text looks on a background with the CIELCh color 63, 31.583, 218.115.

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, 32.068, 211.243

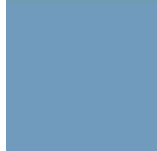
Trichromacy



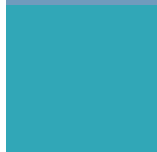
Original Color
63, 31.583, 218.115



Protanomaly
62, 18.956, 241.699



Deuteranomaly
62, 22.931, 255.513

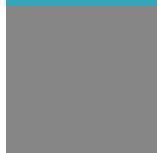


Tritanomaly
63, 31.842, 213.516

Monochromacy



Original Color
63, 31.583, 218.115



Achromatopsia
56, 0.007, 296.813



Achromatomaly
58, 15.050, 213.583

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 31.583, 218.115 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(51, 166, 186)` looks like.

```
.text, #text, p{  
    color:rgb(51, 166, 186)  
}
```

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(51, 166, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 166, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 31.583, 218.115 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(51, 166, 186) }
```

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

```
.border{ border-color:rgb(51, 166, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 166, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 166, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 166, 186);  
box-shadow:4px 4px 4px 4px rgb(51, 166,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 31.583, 218.115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 166, 186) }
```

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

```
.background{ background-color: rgb(51, 166,  
186) }
```

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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