

Converting Colors

CIELCh(63, 29.779, 211.397)

Have a look what the booklet for
CIELCh(63, 29.779, 211.397)
contains.

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Color

CIELCh(63, 29.779, 211.397)

Conversions

Conversions Part 1

Format	Color
Hex	3EA6B3
RGB	62, 166, 179
RGB Percent	24%, 65%, 70%
CMY	0.7564, 0.3487, 0.2977
CMYK	0.65, 0.07, 0.00, 0.30
HSL	187°, 49%, 47%
HSV	187°, 65%, 70%
XYZ	23.7885, 31.5869, 47.5340
YIQ	136.3860, -66.1570, -18.0050

Conversions

Conversions Part 2

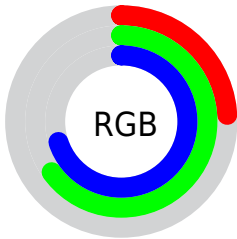
Format	Color
RYB	62, 117, 179
Decimal	4105907
CIELab	63.00, -25.42, -15.51
CIELCh	63, 29.779, 211.397
Yxy	31.5869, 0.2312, 0.3069
Android (android.graphics.Color)	4282295987 (0xFF3EA6B3)
YUV	136.3860, 21.0087, -65.2365
Hunter-Lab	56.2022, -22.8009, -10.8040

Details

The CIELCh color **63, 29.779, 211.397** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **46, 50.482, 34.868**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 29.744, 212.094**, and **44, 26.637, 212.637** is the 20% darker color. If you saturate the color by 10%, you get **62, 31.872, 212.435**, and if you desaturate by 10%, it is **64, 26.908, 210.639**.

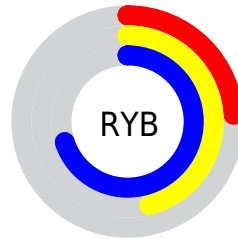
Distribution



Red (24%)

Green (65%)

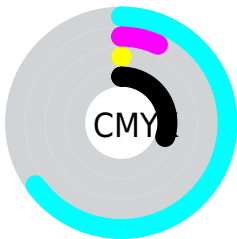
Blue (70%)



Red (24%)

Yellow (46%)

Blue (70%)

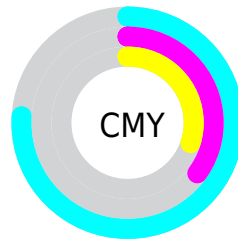


Cyan (65%)

Magenta (7%)

Yellow (0%)

Black (30%)



Cyan (76%)


Magenta (35%)

Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 29.779, 211.397 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, 29.779, 211.397 by changing the saturation by 10% instead.


 63, 29.779,
211.397


 63, 29.779,
211.397


 100, 29.779,
211.397


 53, 29.779,
211.397


 83, 29.779,
211.397

 43, 29.779,
211.397

 93, 29.779,
211.397

 33, 29.779,
211.397

 23, 29.779,
211.397

 13, 29.779,
211.397

 3, 29.779, 211.397

 0, 29.779, 211.397

63, 29.779,
211.397

63, 29.779,
211.397

62, 31.872,
212.435

64, 26.908,
210.639

61, 33.192,
213.802

65, 23.302,
210.121

60, 33.805,
215.528

67, 19.033,
209.804

60, 33.975,
216.403

68, 14.190,
209.652

70, 8.869, 209.644

72, 3.163, 209.822

74, 2.842, 29.636

76, 9.071, 29.977

78, 15.462, 30.266

Harmonies

Complementary

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



63, 29.779, 211.397



46, 50.482, 34.868

Rectangle

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



63, 29.779, 211.397



63, 29.779, 261.397



63, 29.779, 31.397



63, 29.779, 81.397

Sweetspot

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



63, 29.778, 211.396



88, 14.072, 209.631



65, 69.442, 141.150



46, 9.589, 209.639



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



63, 29.778, 211.396



78, 39.442, 212.940



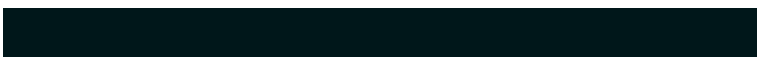
46, 42.581, 279.310



37, 3.324, 209.713



52, 30.278, 216.125



6, 7.913, 215.133

Inverse Universe

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



47, 67.516, 331.378



56, 92.338, 332.121



59, 45.190, 76.520



35, 6.255, 328.121



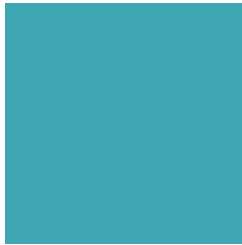
35, 72.431, 333.135



2, 14.514, 329.284

Previews

White Background



This preview shows how the CIELCh color 63, 29.779, 211.397 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, 29.779, 211.397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

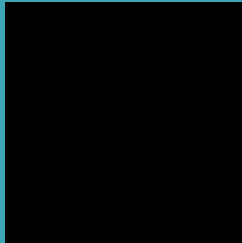
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 29.779, 211.397

Background



This preview shows how black text looks on a background with the CIELCh color 63, 29.779, 211.397.



This preview shows how white text looks on a background with the CIELCh color 63, 29.779, 211.397.

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](#).

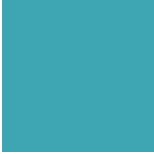
Dichromacy



Original Color
63, 29.779, 211.397

Protanopia
63, 10.652, 289.376

Deuteranopia
63, 19.666, 294.333



Tritanopia
63, 29.779, 211.397

Trichromacy



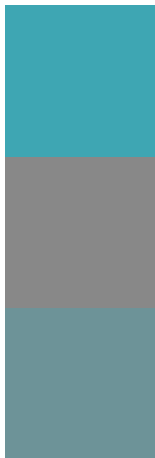
Original Color
63, 29.779, 211.397

Protanomaly
62, 16.000, 235.303

Deuteranomaly
62, 19.047, 251.794

Tritanomaly
63, 29.779, 211.397

Monochromacy



Original Color
63, 29.779, 211.397

Achromatopsia
57, 0.007, 296.813

Achromatomaly
58, 13.681, 210.278

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 29.779, 211.397 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, 166, 179)` looks like.

```
.text, #text, p{  
    color:rgb(62, 166, 179)  
}
```

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, 166, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 166, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 29.779, 211.397 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, 166, 179) }
```

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

```
.border{ border-color:rgb(62, 166, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 166, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 166, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 166, 179);  
box-shadow:4px 4px 4px 4px rgb(62, 166,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 29.779, 211.397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 166, 179) }
```

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

```
.background{ background-color: rgb(62, 166,  
179) }
```

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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