

Converting Colors

CIELCh(63, 29.416, 191.220)

Have a look what the booklet for
CIELCh(63, 29.416, 191.220)
contains.

CIELCh(63, 29.395, 191.407)	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(63, 29.395, 191.407)

Conversions

Conversions Part 1

Format	Color
Hex	49A7A2
RGB	73, 167, 162
RGB Percent	29%, 65%, 64%
CMY	0.7144, 0.3458, 0.3654
CMYK	0.56, 0.00, 0.03, 0.35
HSL	177°, 39%, 47%
HSV	177°, 56%, 65%
XYZ	23.0277, 31.5869, 38.9873
YIQ	138.3240, -54.4190, -21.4830

Conversions

Conversions Part 2

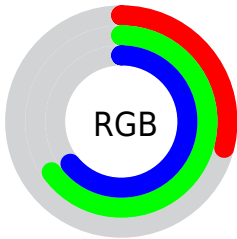
Format	Color
RYB	73, 121, 167
Decimal	4827042
CIELab	63.00, -28.81, -5.81
CIElCh	63, 29.395, 191.407
Yxy	31.5869, 0.2460, 0.3375
Android (android.graphics.Color)	4283017122 (0xFF49A7A2)
YUV	138.3240, 11.6723, -57.2891
Hunter-Lab	56.2022, -25.2172, -1.7877

Details

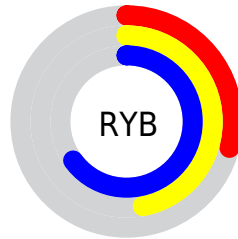
The CIELCh color **63, 29.395, 191.407** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **43, 42.442, 22.562**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 29.629, 191.180**, and **43, 28.801, 190.189** is the 20% darker color. If you saturate the color by 10%, you get **63, 32.625, 190.792**, and if you desaturate by 10%, it is **64, 25.437, 192.022**.

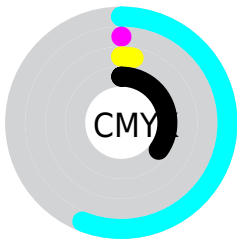
Distribution



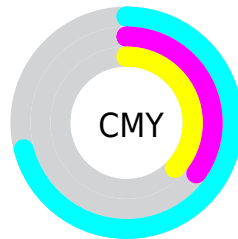
- Red (29%)
- Green (65%)
- Blue (64%)



- Red (29%)
- Yellow (47%)
- Blue (65%)



- Cyan (56%)
- Magenta (0%)
- Yellow (3%)
- Black (35%)




- Cyan (71%)
- Magenta (35%)
- Yellow (37%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 29.395, 191.407 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, 29.395, 191.407 by changing the saturation by 10% instead.

 63, 29.395,
191.407


 63, 29.395,
191.407

 100, 29.395,
191.407

 53, 29.395,
191.407


 83, 29.395,
191.407

 43, 29.395,
191.407

 93, 29.395,
191.407

 33, 29.395,
191.407

 23, 29.395,
191.407

 13, 29.395,
191.407

 3, 29.395, 191.407

 0, 29.395, 191.407

63, 29.395,
191.407

63, 29.395,
191.407

63, 32.625,
190.792

64, 25.437,
192.022

62, 35.090,
190.171

64, 20.822,
192.648

62, 36.797,
189.530

65, 15.638,
193.289

62, 37.822,
188.859

66, 9.988, 193.953

68, 3.969, 194.684

62, 38.130,
188.615

69, 2.323, 15.028

70, 8.806, 15.855

72, 15.409, 16.557

74, 22.075, 17.245

Harmonies

Complementary

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



63, 29.395, 191.407



43, 42.442, 22.562

Rectangle

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



63, 29.395, 191.407



63, 29.395, 241.407



63, 29.395, 11.407



63, 29.395, 61.407

Sweetspot

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



63, 29.395, 191.405



84, 12.816, 193.888



61, 60.629, 138.485



45, 8.597, 193.760



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, 29.395, 191.405



79, 40.609, 190.614



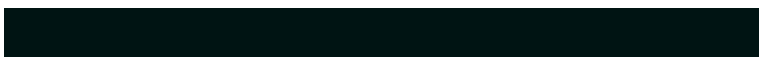
51, 27.658, 258.499



35, 3.540, 194.452



55, 34.884, 188.688



5, 6.619, 193.290

Inverse Universe

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



43, 42.442, 22.562



51, 64.415, 26.261



53, 35.047, 61.873



33, 3.728, 15.600



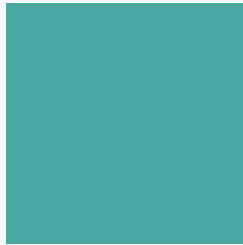
30, 67.151, 37.203



1, 6.592, 15.600

Previews

White Background



This preview shows how the CIELCh color 63, 29.395, 191.407 looks on a white background.

Color Contrast Check

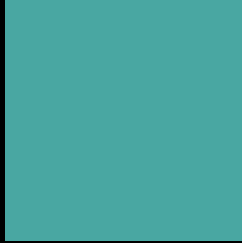
Large Text (above 18pt) WCAG AA × Fail

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, 29.395, 191.407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

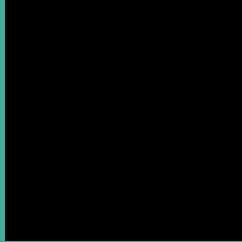
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 29.395, 191.407

Background



This preview shows how black text looks on a background with the CIELCh color 63, 29.395, 191.407.

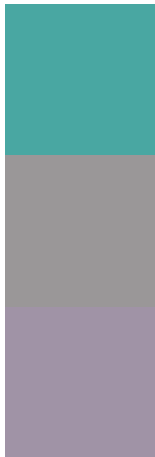


This preview shows how white text looks on a background with the CIELCh color 63, 29.395, 191.407.

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, 29.395, 191.407

Protanopia
63, 1.294, 353.568

Deuteranopia
63, 11.770, 315.689



Tritanopia
63, 26.314, 214.906

Trichromacy



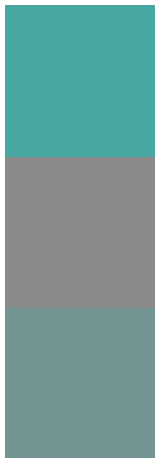
Original Color
63, 29.395, 191.407

Protanomaly
62, 12.002, 195.665

Deuteranomaly
62, 10.696, 230.519

Tritanomaly
63, 26.878, 205.688

Monochromacy



Original Color
63, 29.395, 191.407

Achromatopsia
57, 0.007, 296.813

Achromatomaly
59, 12.428, 195.637

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 29.395, 191.407 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(73, 167, 162)` looks like.

```
.text, #text, p{  
    color:rgb(73, 167, 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(73, 167, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 167, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 29.395, 191.407 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(73, 167, 162) }
```

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

```
.border{ border-color:rgb(73, 167, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 167, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 167, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 167, 162);  
box-shadow:4px 4px 4px 4px rgb(73, 167,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 29.395, 191.407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 167, 162) }
```

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

```
.background{ background-color: rgb(73, 167,  
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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