

Converting Colors

CIELCh(63, 28.984, 202.746)

Have a look what the booklet for
CIELCh(63, 28.984, 202.746)
contains.

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Color

CIELCh(63, 28.982, 202.629)

Conversions

Conversions Part 1

Format	Color
Hex	44A6AB
RGB	68, 166, 171
RGB Percent	27%, 65%, 67%
CMY	0.7318, 0.3477, 0.3281
CMYK	0.60, 0.03, 0.00, 0.33
HSL	183°, 43%, 47%
HSV	183°, 60%, 67%
XYZ	23.4881, 31.5869, 43.5504
YIQ	137.2680, -60.0130, -19.2210

Conversions

Conversions Part 2

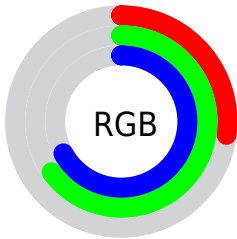
Format	Color
RYB	68, 118, 171
Decimal	4499115
CIELab	63.00, -26.75, -11.15
CIELCh	63, 28.982, 202.629
Yxy	31.5869, 0.2382, 0.3203
Android (android.graphics.Color)	4282689195 (0xFF44A6AB)
YUV	137.2680, 16.6299, -60.7480
Hunter-Lab	56.2022, -23.7550, -6.6015

Details

The CIELCh color **63, 28.982, 202.629** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **44, 45.977, 30.016**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 28.851, 202.790**, and **43, 27.006, 203.000** is the 20% darker color. If you saturate the color by 10%, you get **62, 31.562, 202.837**, and if you desaturate by 10%, it is **64, 25.638, 202.556**.

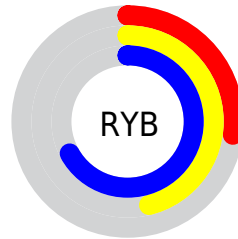
Distribution



Red (27%)

Green (65%)

Blue (67%)



Red (27%)

Yellow (46%)

Blue (67%)

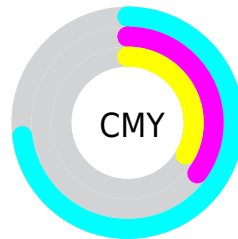


Cyan (60%)

Magenta (3%)

Yellow (0%)

Black (33%)



Cyan (73%)


Magenta (35%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 28.982, 202.629 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, 28.982, 202.629 by changing the saturation by 10% instead.


 63, 28.982,
202.629


 63, 28.982,
202.629


 100, 28.982,
202.629


 53, 28.982,
202.629


 83, 28.982,
202.629

 43, 28.982,
202.629

 93, 28.982,
202.629

 33, 28.982,
202.629

 23, 28.982,
202.629

 13, 28.982,
202.629

 3, 28.982, 202.629

 0, 28.982, 202.629

63, 28.982,
202.629

63, 28.982,
202.629

62, 31.562,
202.837

64, 25.638,
202.556

62, 33.358,
203.198

65, 21.585,
202.606

61, 34.400,
203.723

66, 16.906,
202.762

61, 34.877,
204.378

67, 11.693,
203.013

69, 6.044, 203.363

70, 0.053, 213.116

72, 6.199, 23.985

73, 12.635, 24.474

75, 19.195, 24.961

Harmonies

Complementary

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



63, 28.982, 202.629



44, 45.977, 30.016

Rectangle

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



63, 28.982, 202.629



63, 28.982, 252.629



63, 28.982, 22.629



63, 28.982, 72.629

Sweetspot

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



63, 28.982, 202.627



85, 13.003, 203.067



62, 65.227, 140.119



45, 9.026, 202.982



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



63, 28.982, 202.627



79, 39.069, 202.935



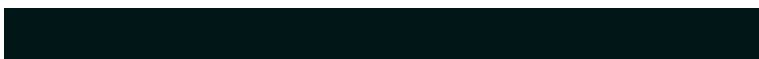
48, 34.207, 271.290



36, 3.433, 203.397



54, 31.716, 204.288



6, 7.283, 205.755

Inverse Universe

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



46, 63.786, 328.931



56, 89.053, 329.464



55, 39.055, 71.150



34, 6.376, 326.257



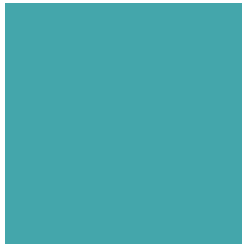
35, 75.096, 330.228



2, 13.200, 326.402

Previews

White Background



This preview shows how the CIELCh color 63, 28.982, 202.629 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, 28.982, 202.629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

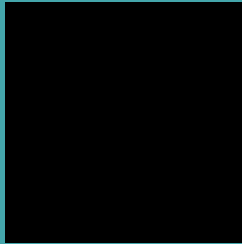
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 28.982, 202.629

Background



This preview shows how black text looks on a background with the CIELCh color 63, 28.982, 202.629.

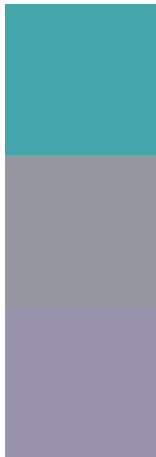


This preview shows how white text looks on a background with the CIELCh color 63, 28.982, 202.629.

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, 28.982, 202.629

Protanopia
63, 5.604, 290.797

Deuteranopia
63, 15.402, 301.273



Tritanopia
63, 27.876, 213.771

Trichromacy



Original Color
63, 28.982, 202.629



Protanomaly
62, 13.265, 218.265



Deuteranomaly
62, 14.779, 245.145



Tritanomaly
63, 28.002, 210.038

Monochromacy



Original Color
63, 28.982, 202.629



Achromatopsia
57, 0.007, 296.813



Achromatomaly
59, 12.632, 203.456

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 28.982, 202.629 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(68, 166, 171)` looks like.

```
.text, #text, p{  
    color:rgb(68, 166, 171)  
}
```

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(68, 166, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 166, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 28.982, 202.629 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(68, 166, 171) }
```

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

```
.border{ border-color:rgb(68, 166, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 166, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 166, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 166, 171);  
box-shadow:4px 4px 4px 4px rgb(68, 166,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 28.982, 202.629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 166, 171) }
```

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

```
.background{ background-color: rgb(68, 166,  
171) }
```

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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