

Converting Colors

CIELCh(64, 30.360, 198.835)

Have a look what the booklet for
CIELCh(64, 30.360, 198.835)
contains.

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Color

CIELCh(64, 30.462, 199.036)

Conversions

Conversions Part 1

Format	Color
Hex	42AAAC
RGB	66, 170, 172
RGB Percent	26%, 67%, 67%
CMY	0.7420, 0.3341, 0.3262
CMYK	0.62, 0.01, 0.00, 0.33
HSL	181°, 45%, 47%
HSV	181°, 62%, 67%
XYZ	24.0004, 32.8017, 44.0028
YIQ	139.1320, -62.6260, -21.4260

Conversions

Conversions Part 2

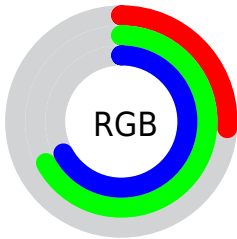
Format	Color
RYB	66, 118, 172
Decimal	4369068
CIELab	64.00, -28.80, -9.94
CIELCh	64, 30.462, 199.036
Yxy	32.8017, 0.2381, 0.3254
Android (android.graphics.Color)	4282559148 (0xFF42AAAC)
YUV	139.1320, 16.2039, -64.1368
Hunter-Lab	57.2727, -25.4259, -5.4617

Details

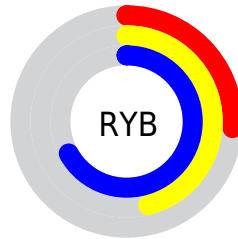
The CIELCh color **64, 30.462, 199.036** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **43, 48.483, 28.721**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 30.556, 198.365**, and **44, 27.750, 200.226** is the 20% darker color. If you saturate the color by 10%, you get **63, 33.032, 198.988**, and if you desaturate by 10%, it is **65, 27.110, 199.173**.

Distribution



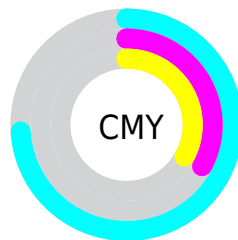
- Red (26%)
- Green (67%)
- Blue (67%)



- Red (26%)
- Yellow (46%)
- Blue (67%)



- Cyan (62%)
- Magenta (1%)
- Yellow (0%)
- Black (33%)





- Cyan (74%)
- Magenta (33%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 30.462, 199.036 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 64, 30.462, 199.036 by changing the saturation by 10% instead.

 64, 30.462,
199.036


 64, 30.462,
199.036


 100, 30.462,
199.036


 54, 30.462,
199.036


 84, 30.462,
199.036

 44, 30.462,
199.036

 94, 30.462,
199.036

 34, 30.462,
199.036

 24, 30.462,
199.036

 14, 30.462,
199.036

 4, 30.462, 199.036

 0, 30.462, 199.036

64, 30.462,
199.036

64, 30.462,
199.036

63, 33.032,
198.988

65, 27.110,
199.173

63, 34.813,
199.036

65, 23.026,
199.397

63, 35.845,
199.180

66, 18.285,
199.699

63, 36.305,
199.352

67, 12.981,
200.074

69, 7.212, 200.525

70, 1.078, 201.382

72, 5.332, 21.335

73, 11.938, 21.919

75, 18.675, 22.488

Harmonies

Complementary

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



64, 30.462, 199.036



43, 48.483, 28.721

Rectangle

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



64, 30.462, 199.036



64, 30.462, 249.036



64, 30.462, 19.036



64, 30.462, 69.036

Sweetspot

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



64, 30.462, 199.034



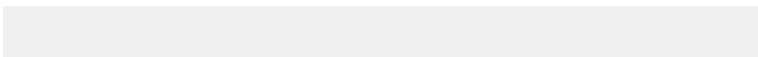
86, 14.223, 200.173



63, 67.525, 139.522



45, 9.689, 200.057



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



64, 30.462, 199.034



81, 41.216, 198.994



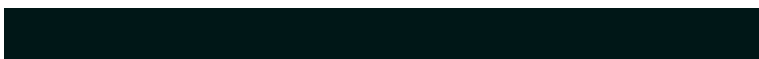
48, 34.355, 270.079



36, 3.535, 200.650



55, 32.935, 199.319



6, 7.586, 201.810

Inverse Universe

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



46, 66.590, 328.053



56, 93.195, 328.510



55, 40.142, 69.334



34, 6.507, 325.430



35, 76.838, 328.983



2, 13.597, 325.189

Previews

White Background



This preview shows how the CIELCh color 64, 30.462, 199.036 looks on a white background.

Color Contrast Check

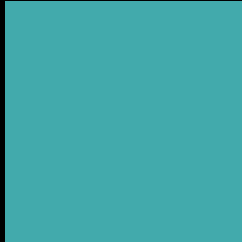
Large Text (above 18pt) WCAG AA × Fail

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 64, 30.462, 199.036 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

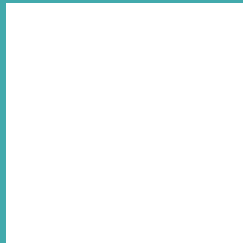
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 30.462, 199.036

Background



This preview shows how black text looks on a background with the CIELCh color 64, 30.462, 199.036.

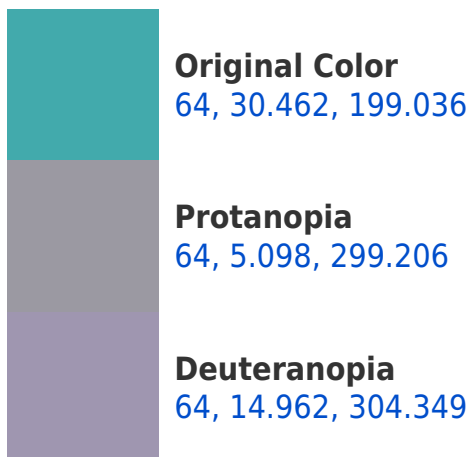


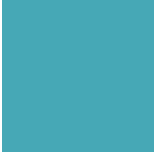
This preview shows how white text looks on a background with the CIELCh color 64, 30.462, 199.036.

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
64, 28.859, 213.091

Trichromacy



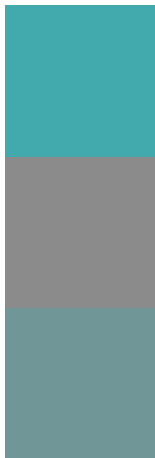
Original Color
64, 30.462, 199.036

Protanomaly
63, 13.127, 215.836

Deuteranomaly
63, 14.295, 240.639

Tritanomaly
64, 29.424, 207.011

Monochromacy



Original Color
64, 30.462, 199.036

Achromatopsia
58, 0.007, 296.813

Achromatomaly
59, 13.622, 200.578

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 30.462, 199.036 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(66, 170, 172)` looks like.

```
.text, #text, p{  
    color:rgb(66, 170, 172)  
}
```

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(66, 170, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 170, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 30.462, 199.036 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(66, 170, 172) }
```

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

```
.border{ border-color:rgb(66, 170, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 170, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 170, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 170, 172);  
box-shadow:4px 4px 4px 4px rgb(66, 170,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 30.462, 199.036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 170, 172) }
```

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

```
.background{ background-color: rgb(66, 170,  
172) }
```

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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