

Converting Colors

CIELCh(64, 32.391, 223.299)

Have a look what the booklet for
CIELCh(64, 32.391, 223.299)
contains.

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Color

CIELCh(64, 32.415, 222.985)

Conversions

Conversions Part 1

Format	Color
Hex	33A9C2
RGB	51, 169, 194
RGB Percent	20%, 66%, 76%
CMY	0.7986, 0.3390, 0.2410
CMYK	0.73, 0.13, 0.00, 0.24
HSL	191°, 58%, 48%
HSV	191°, 73%, 76%
XYZ	25.1774, 32.8017, 55.7813
YIQ	136.5680, -78.3530, -17.2410

Conversions

Conversions Part 2

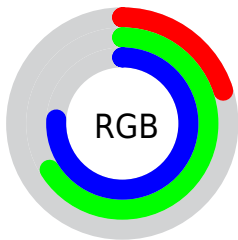
Format	Color
RYB	51, 116, 194
Decimal	3385794
CIELab	64.00, -23.71, -22.10
CIELCh	64, 32.415, 222.985
Yxy	32.8017, 0.2213, 0.2883
Android (android.graphics.Color)	4281575874 (0xFF33A9C2)
YUV	136.5680, 28.3140, -75.0431
Hunter-Lab	57.2727, -21.7579, -17.6552

Details

The CIELCh color **64, 32.415, 222.985** is a dark color, and the websafe version is hex **339999**. The color can be described as middle muted azure. A complement of this color would be **48, 59.618, 40.155**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 32.521, 223.867**, and **45, 27.869, 226.971** is the 20% darker color. If you saturate the color by 10%, you get **63, 34.053, 225.336**, and if you desaturate by 10%, it is **66, 30.024, 221.137**.

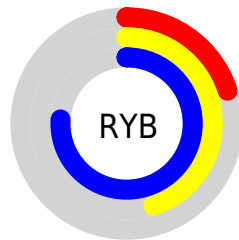
Distribution



Red (20%)

Green (66%)

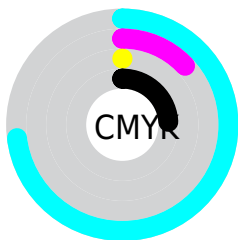
Blue (76%)



Red (20%)

Yellow (45%)

Blue (76%)

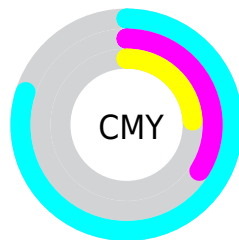


Cyan (73%)

Magenta (13%)

Yellow (0%)

Black (24%)



Cyan (80%)


Magenta (34%)


Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 32.415, 222.985 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, 32.415, 222.985 by changing the saturation by 10% instead.

 64, 32.415,
222.985


 64, 32.415,
222.985


 100, 32.415,
222.985


 54, 32.415,
222.985


 84, 32.415,
222.985

 44, 32.415,
222.985


 94, 32.415,
222.985

 34, 32.415,
222.985

 24, 32.415,
222.985

 14, 32.415,
222.985

 4, 32.415, 222.985

 0, 32.415, 222.985

64, 32.415,
222.985

64, 32.415,
222.985

63, 34.053,
225.336

66, 30.024,
221.137

61, 35.013,
228.254

67, 26.878,
219.721

61, 35.424,
230.385

69, 23.017,
218.661

71, 18.518,
217.893

73, 13.471,
217.361

75, 7.970, 217.029

77, 2.105, 217.000

80, 4.045, 36.511

Harmonies

Complementary

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



64, 32.415, 222.985



48, 59.618, 40.155

Rectangle

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



64, 32.415, 222.985



64, 32.415, 272.985



64, 32.415, 42.985



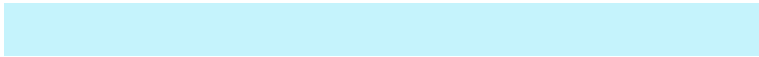
64, 32.415, 92.985

Sweetspot

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



64, 32.414, 222.984



93, 15.728, 217.314



69, 77.543, 141.764



49, 10.555, 217.434



0, 0.000, 0.000



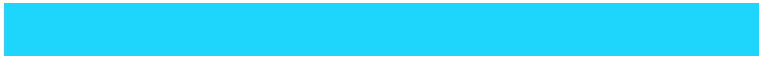
53, 0.007, 296.813

Same Dimension

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



64, 32.414, 222.984



79, 42.372, 227.000



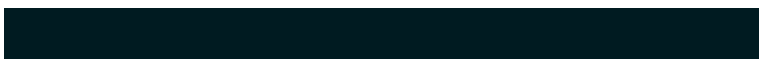
43, 56.957, 287.312



40, 3.396, 216.953



51, 30.843, 229.858



8, 10.505, 222.789

Inverse Universe

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



48, 74.238, 334.543



59, 98.431, 335.802



64, 55.290, 80.990



38, 6.398, 330.234



36, 71.437, 336.609



4, 20.504, 333.329

Previews

White Background



This preview shows how the CIELCh color 64, 32.415, 222.985 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, 32.415, 222.985 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, 32.415, 222.985

Background



This preview shows how black text looks on a background with the CIELCh color 64, 32.415, 222.985.



This preview shows how white text looks on a background with the CIELCh color 64, 32.415, 222.985.

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

64, 32.529, 222.880

Protanopia

64, 16.804, 285.976

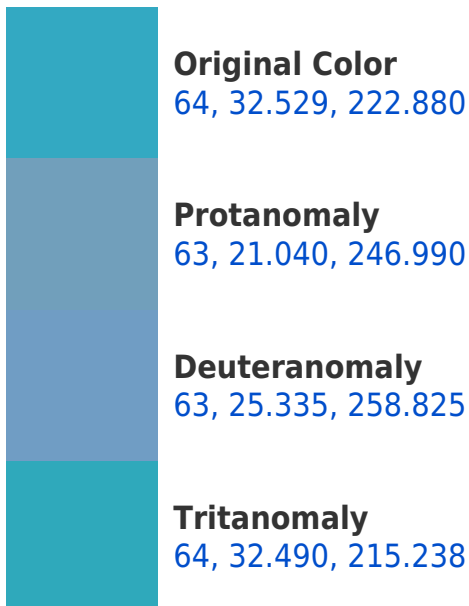
Deuteranopia

64, 25.720, 289.165



Tritanopia
64, 32.954, 210.767

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 32.415, 222.985 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, 169, 194)` looks like.

```
.text, #text, p{  
    color:rgb(51, 169, 194)  
}
```

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, 169, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 169, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 32.415, 222.985 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, 169, 194) }
```

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

```
.border{ border-color:rgb(51, 169, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 169, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 169, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 169, 194);  
box-shadow:4px 4px 4px 4px rgb(51, 169,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 32.415, 222.985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 169, 194) }
```

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

```
.background{ background-color: rgb(51, 169,  
194) }
```

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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