

Converting Colors

CIELCh(64, 32.396, 197.423)

Have a look what the booklet for
CIELCh(64, 32.396, 197.423)
contains.

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Color

CIELCh(64, 32.559, 196.743)

Conversions

Conversions Part 1

Format	Color
Hex	38ABAB
RGB	56, 171, 171
RGB Percent	22%, 67%, 67%
CMY	0.7816, 0.3303, 0.3303
CMYK	0.67, 0.00, 0.00, 0.33
HSL	180°, 51%, 44%
HSV	180°, 67%, 67%
XYZ	23.4617, 32.8017, 43.5083
YIQ	136.6150, -68.5400, -24.3800

Conversions

Conversions Part 2

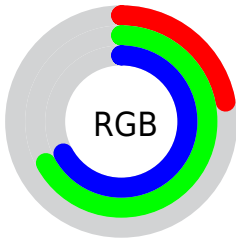
Format	Color
RYB	56, 114, 171
Decimal	3713963
CIELab	64.00, -31.18, -9.38
CIElCh	64, 32.559, 196.743
Yxy	32.8017, 0.2352, 0.3288
Android (android.graphics.Color)	4281904043 (0xFF38ABAB)
YUV	136.6150, 16.9518, -70.6994
Hunter-Lab	57.2727, -27.1050, -4.9498

Details

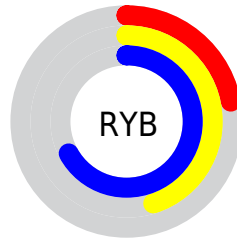
The CIELCh color **64, 32.559, 196.743** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **41, 53.845, 29.337**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 32.599, 196.292**, and **45, 28.200, 197.643** is the 20% darker color. If you saturate the color by 10%, you get **64, 34.754, 196.570**, and if you desaturate by 10%, it is **64, 29.574, 196.977**.

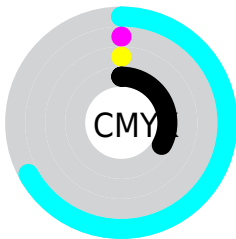
Distribution



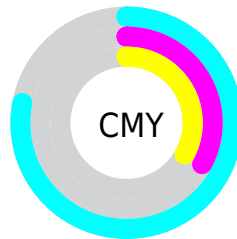
- Red (22%)
- Green (67%)
- Blue (67%)



- Red (22%)
- Yellow (45%)
- Blue (67%)



- Cyan (67%)
- Magenta (0%)
- Yellow (0%)
- Black (33%)





- Cyan (78%)
- Magenta (33%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 32.559, 196.743 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, 32.559, 196.743 by changing the saturation by 10% instead.


 64, 32.559,
196.743


 64, 32.559,
196.743


 100, 32.559,
196.743


 54, 32.559,
196.743


 84, 32.559,
196.743

 44, 32.559,
196.743

 94, 32.559,
196.743

 34, 32.559,
196.743

 24, 32.559,
196.743

 14, 32.559,
196.743

 4, 32.559, 196.743

 0, 32.559, 196.743

■ 64, 32.559,
196.743

■ 64, 32.559,
196.743

■ 64, 34.754,
196.570

■ 64, 29.574,
196.977

■ 63, 36.181,
196.459

■ 65, 25.824,
197.278

■ 63, 36.947,
196.400

■ 66, 21.369,
197.640

■ 63, 37.109,
196.388

■ 67, 16.291,
198.063

■ 68, 10.689,
198.544

■ 69, 4.663, 199.113

■ 70, 1.690, 19.262

■ 72, 8.283, 20.066

Harmonies

Complementary

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



64, 32.559, 196.743



41, 53.845, 29.337

Rectangle

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



64, 32.559, 196.743



64, 32.559, 246.743



64, 32.559, 16.743



64, 32.559, 66.743

Sweetspot

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



64, 32.559, 196.742



85, 15.077, 198.395



62, 72.718, 138.498



45, 10.277, 198.262



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, 32.559, 196.742



81, 43.237, 196.507



46, 36.282, 270.209



35, 3.516, 198.992



55, 33.387, 196.388



5, 6.572, 199.423

Inverse Universe

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



45, 71.626, 327.663



54, 98.047, 328.035



53, 43.861, 66.979



33, 6.429, 324.921



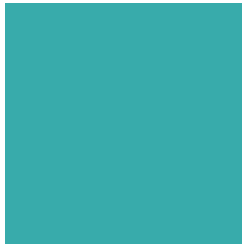
35, 76.992, 328.233



2, 11.673, 324.439

Previews

White Background



This preview shows how the CIELCh color 64, 32.559, 196.743 looks on a white background.

Color Contrast Check

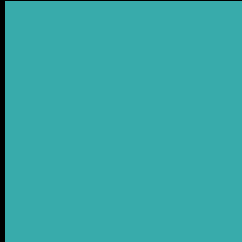
Large Text (above 18pt) WCAG AA × Fail

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, 32.559, 196.743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

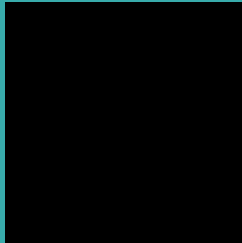
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

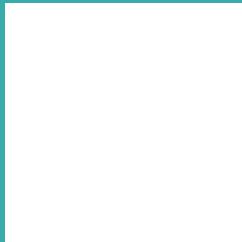
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 32.559, 196.743

Background



This preview shows how black text looks on a background with the CIELCh color 64, 32.559, 196.743.

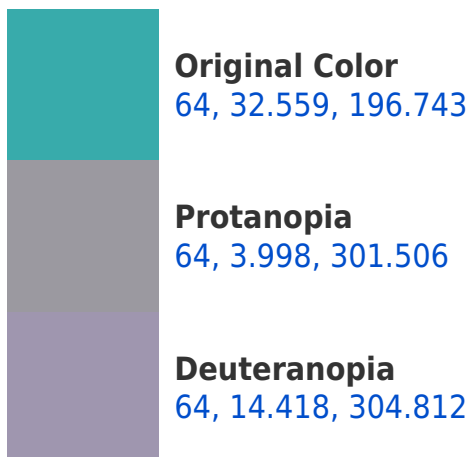


This preview shows how white text looks on a background with the CIELCh color 64, 32.559, 196.743.

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



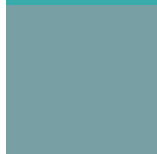


Tritanopia
64, 30.383, 212.158

Trichromacy



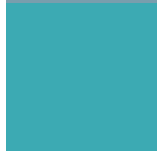
Original Color
64, 32.559, 196.743



Protanomaly
63, 14.213, 209.668



Deuteranomaly
63, 14.940, 232.891

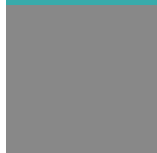


Tritanomaly
64, 30.960, 206.399

Monochromacy



Original Color
64, 32.559, 196.743



Achromatopsia
57, 0.007, 296.813



Achromatomaly
59, 14.976, 198.040

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 32.559, 196.743 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(56, 171, 171)` looks like.

```
.text, #text, p{  
    color:rgb(56, 171, 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(56, 171, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 171, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 32.559, 196.743 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(56, 171, 171) }
```

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

```
.border{ border-color:rgb(56, 171, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 171, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 171, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 171, 171);  
box-shadow:4px 4px 4px 4px rgb(56, 171,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 32.559, 196.743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 171, 171) }
```

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

```
.background{ background-color: rgb(56, 171,  
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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