

Converting Colors

CIELCh(64, 31.798, 196.688)

Have a look what the booklet for
CIELCh(64, 31.798, 196.688)
contains.

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Color

CIELCh(64, 31.724, 196.798)

Conversions

Conversions Part 1

Format	Color
Hex	3DAAAA
RGB	61, 170, 170
RGB Percent	24%, 67%, 67%
CMY	0.7626, 0.3317, 0.3317
CMYK	0.64, 0.00, 0.00, 0.33
HSL	180°, 48%, 45%
HSV	180°, 64%, 67%
XYZ	23.6436, 32.8017, 43.3213
YIQ	137.4090, -64.9640, -23.1080

Conversions

Conversions Part 2

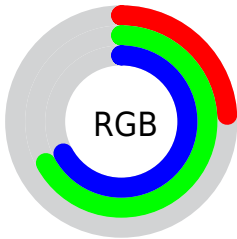
Format	Color
RYB	61, 116, 170
Decimal	4041386
CIELab	64.00, -30.37, -9.17
CIELCh	64, 31.724, 196.798
Yxy	32.8017, 0.2370, 0.3288
Android (android.graphics.Color)	4282231466 (0xFF3DAAAA)
YUV	137.4090, 16.0674, -67.0107
Hunter-Lab	57.2727, -26.5382, -4.7562

Details

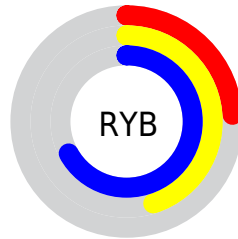
The CIELCh color **64, 31.724, 196.798** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **42, 51.210, 28.479**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 31.680, 196.318**, and **44, 28.028, 197.653** is the 20% darker color. If you saturate the color by 10%, you get **64, 34.145, 196.606**, and if you desaturate by 10%, it is **65, 28.517, 197.051**.

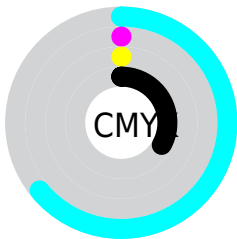
Distribution



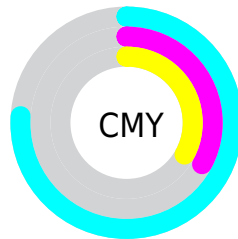
- Red (24%)
- Green (67%)
- Blue (67%)



- Red (24%)
- Yellow (45%)
- Blue (67%)



- Cyan (64%)
- Magenta (0%)
- Yellow (0%)
- Black (33%)





- Cyan (76%)
- Magenta (33%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 31.724, 196.798 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, 31.724, 196.798 by changing the saturation by 10% instead.

 64, 31.724,
196.798


 64, 31.724,
196.798


 100, 31.724,
196.798


 54, 31.724,
196.798


 84, 31.724,
196.798

 44, 31.724,
196.798

 94, 31.724,
196.798

 34, 31.724,
196.798

 24, 31.724,
196.798

 14, 31.724,
196.798

 4, 31.724, 196.798

 0, 31.724, 196.798

■ 64, 31.724,
196.798

■ 64, 31.724,
196.798

■ 64, 34.145,
196.606

■ 65, 28.517,
197.051

■ 63, 35.788,
196.478

■ 65, 24.561,
197.371

■ 63, 36.712,
196.405

■ 66, 19.923,
197.751

■ 63, 37.055,
196.379

■ 67, 14.691,
198.191

■ 68, 8.965, 198.691

■ 69, 2.845, 199.329

■ 71, 3.576, 19.574

■ 72, 10.213, 20.242

■ 74, 16.993, 20.860

Harmonies

Complementary

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



64, 31.724, 196.798



42, 51.210, 28.479

Rectangle

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



64, 31.724, 196.798



64, 31.724, 246.798



64, 31.724, 16.798



64, 31.724, 66.798

Sweetspot

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



64, 31.724, 196.797



86, 14.369, 198.440



62, 69.921, 138.560



45, 9.881, 198.303



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, 31.724, 196.797



81, 42.460, 196.549



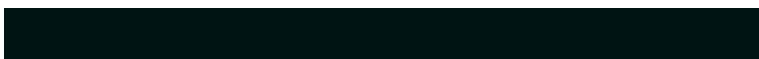
48, 33.921, 267.299



35, 3.516, 198.987



55, 33.389, 196.379



5, 6.572, 199.416

Inverse Universe

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



42, 51.210, 28.479



50, 76.777, 32.958



53, 41.658, 65.787



33, 3.724, 19.902



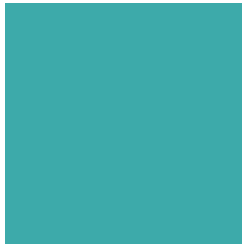
30, 69.025, 39.357



1, 6.572, 19.401

Previews

White Background



This preview shows how the CIELCh color 64, 31.724, 196.798 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, 31.724, 196.798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

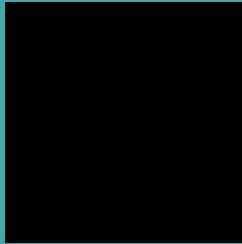
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

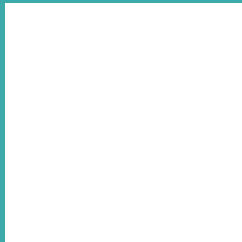
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 31.724, 196.798

Background



This preview shows how black text looks on a background with the CIELCh color 64, 31.724, 196.798.

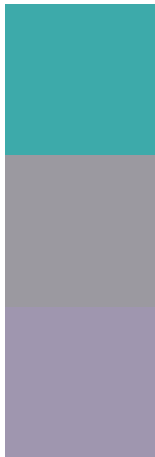


This preview shows how white text looks on a background with the CIELCh color 64, 31.724, 196.798.

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, 31.559, 196.811

Protanopia

64, 3.998, 301.506

Deuteranopia

64, 14.418, 304.812



Tritanopia
64, 29.728, 211.401

Trichromacy



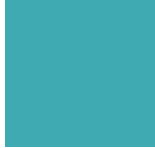
Original Color
64, 31.559, 196.811



Protanomaly
63, 13.585, 210.253



Deuteranomaly
63, 14.468, 237.080



Tritanomaly
64, 30.358, 205.539

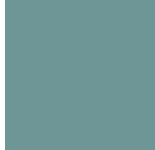
Monochromacy



Original Color
64, 31.559, 196.811



Achromatopsia
57, 0.007, 296.813



Achromatomaly
59, 14.323, 198.107

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 31.724, 196.798 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(61, 170, 170)` looks like.

```
.text, #text, p{  
    color:rgb(61, 170, 170)  
}
```

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(61, 170, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 170, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 31.724, 196.798 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(61, 170, 170) }
```

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

```
.border{ border-color:rgb(61, 170, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 170, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 170, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 170, 170);  
box-shadow:4px 4px 4px 4px rgb(61, 170,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 31.724, 196.798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 170, 170) }
```

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

```
.background{ background-color: rgb(61, 170,  
170) }
```

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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