

Converting Colors

CIELCh(64, 34.116, 204.314)

Have a look what the booklet for
CIELCh(64, 34.116, 204.314)
contains.

CIELCh(64, 34.104, 204.319)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(64, 34.104, 204.319)

Conversions

Conversions Part 1

Format	Color
Hex	25ABB3
RGB	37, 171, 179
RGB Percent	15%, 67%, 70%
CMY	0.8544, 0.3292, 0.2978
CMYK	0.79, 0.04, 0.00, 0.30
HSL	183°, 66%, 42%
HSV	183°, 79%, 70%
XYZ	23.4843, 32.8017, 47.7740
YIQ	131.8460, -82.4320, -25.9200

Conversions

Conversions Part 2

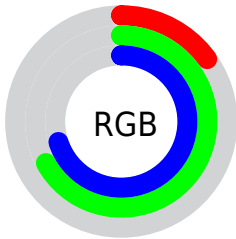
Format	Color
R_{YB}	37, 106, 179
Decimal	2468787
CIE _{Lab}	64.00, -31.08, -14.04
CIE _{LCh}	64, 34.104, 204.319
Y _{xy}	32.8017, 0.2257, 0.3152
Android (android.graphics.Color)	4280658867 (0xFF25ABB3)
YUV	131.8460, 23.2469, -83.1799
Hunter-Lab	57.2727, -27.0344, -9.3658

Details

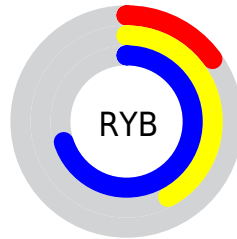
The CIELCh color **64, 34.104, 204.319** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **41, 64.822, 35.324**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 34.055, 204.397**, and **45, 27.448, 206.762** is the 20% darker color. If you saturate the color by 10%, you get **63, 35.201, 204.948**, and if you desaturate by 10%, it is **65, 32.219, 203.872**.

Distribution



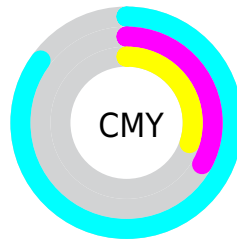
- Red (15%)
- Green (67%)
- Blue (70%)



- Red (15%)
- Yellow (42%)
- Blue (70%)



- Cyan (79%)
- Magenta (4%)
- Yellow (0%)
- Black (30%)





- Cyan (85%)
- Magenta (33%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 34.104, 204.319 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, 34.104, 204.319 by changing the saturation by 10% instead.

 64, 34.104,
204.319


 64, 34.104,
204.319


 100, 34.104,
204.319


 54, 34.104,
204.319


 84, 34.104,
204.319

 44, 34.104,
204.319

 94, 34.104,
204.319

 34, 34.104,
204.319

 24, 34.104,
204.319

 14, 34.104,
204.319

 4, 34.104, 204.319

 0, 34.104, 204.319

■ 64, 34.104,
204.319

■ 64, 34.104,
204.319

■ 63, 35.201,
204.948

■ 65, 32.219,
203.872

■ 63, 35.674,
205.744

■ 65, 29.522,
203.595

■ 63, 35.703,
205.803

■ 66, 26.037,
203.468

■ 67, 21.824,
203.474

■ 69, 16.969,
203.595

■ 70, 11.570,
203.816

■ 71, 5.728, 204.145

■ 73, 0.462, 23.294

Harmonies

Complementary

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



64, 34.104, 204.319



41, 64.822, 35.324

Rectangle

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



64, 34.104, 204.319



64, 34.104, 254.319



64, 34.104, 24.319



64, 34.104, 74.319

Sweetspot

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



64, 34.103, 204.318



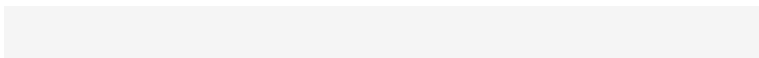
88, 17.488, 203.691



64, 82.238, 138.190



46, 11.957, 203.619



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



64, 34.103, 204.318



80, 43.167, 205.531



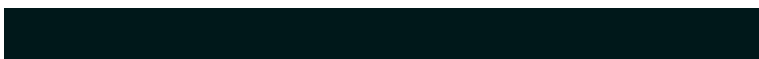
43, 47.894, 279.932



37, 3.490, 204.143



54, 31.818, 205.679



7, 8.418, 206.864

Inverse Universe

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



44, 78.981, 329.970



55, 102.233, 330.507



54, 54.051, 69.671



35, 6.496, 326.483



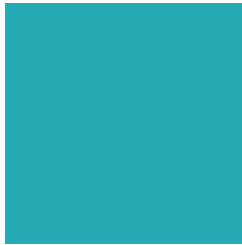
36, 75.564, 330.572



3, 15.339, 326.821

Previews

White Background



This preview shows how the CIELCh color 64, 34.104, 204.319 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, 34.104, 204.319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

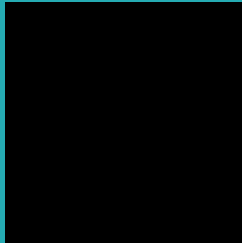
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 34.104, 204.319

Background



This preview shows how black text looks on a background with the CIELCh color 64, 34.104, 204.319.

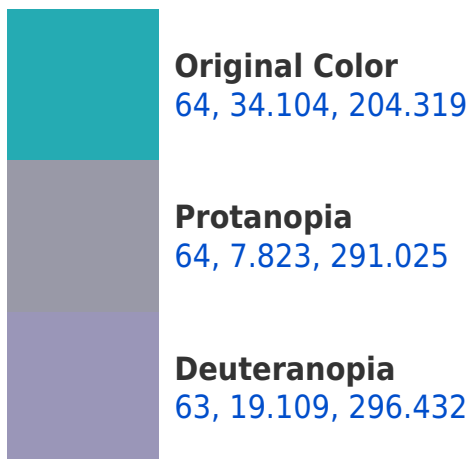


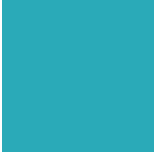
This preview shows how white text looks on a background with the CIELCh color 64, 34.104, 204.319.

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, 33.169, 210.661

Trichromacy



Original Color
64, 34.104, 204.319



Protanomaly
63, 17.391, 218.988



Deuteranomaly
63, 19.889, 241.265



Tritanomaly
64, 33.419, 208.518

Monochromacy



Original Color
64, 34.104, 204.319



Achromatopsia
55, 0.007, 296.813



Achromatomaly
57, 17.037, 203.666

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 34.104, 204.319 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(37, 171, 179)` looks like.

```
.text, #text, p{  
    color:rgb(37, 171, 179)  
}
```

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(37, 171, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 171, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 34.104, 204.319 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(37, 171, 179) }
```

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

```
.border{ border-color:rgb(37, 171, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 171, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 171, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 171, 179);  
box-shadow:4px 4px 4px 4px rgb(37, 171,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 34.104, 204.319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 171, 179) }
```

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

```
.background{ background-color: rgb(37, 171,  
179) }
```

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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