

Converting Colors

CIELCh(65, 37.380, 198.692)

Have a look what the booklet for
CIELCh(65, 37.380, 198.692)
contains.

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Color

CIELCh(65, 37.264, 199.050)

Conversions

Conversions Part 1

Format	Color
Hex	05AFB2
RGB	5, 175, 178
RGB Percent	2%, 69%, 70%
CMY	0.9819, 0.3124, 0.3007
CMYK	0.97, 0.02, 0.00, 0.30
HSL	181°, 95%, 36%
HSV	181°, 97%, 70%
XYZ	23.5214, 34.0472, 47.6254
YIQ	124.5120, -102.2830, -35.1070

Conversions

Conversions Part 2

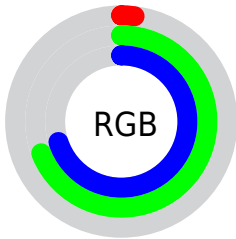
Format	Color
RYB	5, 91, 178
Decimal	372658
CIELab	65.00, -35.22, -12.16
CIELCh	65, 37.264, 199.050
Yxy	34.0472, 0.2236, 0.3237
Android (android.graphics.Color)	4278562738 (0xFF05AFB2)
YUV	124.5120, 26.3696, -104.8120
Hunter-Lab	58.3500, -30.1574, -7.5477

Details

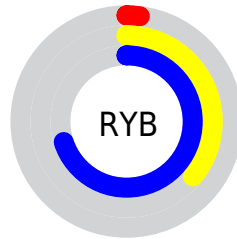
The CIELCh color **65, 37.264, 199.050** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **37, 78.186, 39.393**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 37.139, 199.454**, and **46, 28.609, 200.083** is the 20% darker color. If you saturate the color by 10%, you get **65, 37.400, 199.098**, and if you desaturate by 10%, it is **65, 36.578, 198.877**.

Distribution



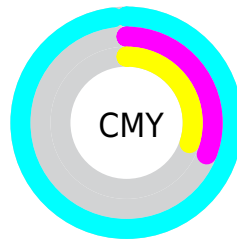
- Red (2%)
- Green (69%)
- Blue (70%)



- Red (2%)
- Yellow (36%)
- Blue (70%)



- Cyan (97%)
- Magenta (2%)
- Yellow (0%)
- Black (30%)





- Cyan (98%)
- Magenta (31%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 37.264, 199.050 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 65, 37.264, 199.050 by changing the saturation by 10% instead.


 65, 37.264,
199.050


 65, 37.264,
199.050


 100, 37.264,
199.050


 55, 37.264,
199.050


 85, 37.264,
199.050

 45, 37.264,
199.050

 95, 37.264,
199.050

 35, 37.264,
199.050

 25, 37.264,
199.050

 15, 37.264,
199.050

 5, 37.264, 199.050

 0, 37.264, 199.050

■ 65, 37.264,
199.050

■ 65, 37.264,
199.050

■ 65, 37.400,
199.098

■ 65, 36.578,
198.877

■ 66, 35.202,
198.791

■ 66, 33.027,
198.797

■ 67, 30.035,
198.896

■ 67, 26.250,
199.083

■ 68, 21.738,
199.350

■ 69, 16.585,
199.692

■ 70, 10.893,

200.105

■ 72, 4.764, 200.614

Harmonies

Complementary

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



65, 37.264, 199.050



37, 78.186, 39.393

Rectangle

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



65, 37.264, 199.050



65, 37.264, 249.050



65, 37.264, 19.050



65, 37.264, 69.050

Sweetspot

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



65, 37.263, 199.049



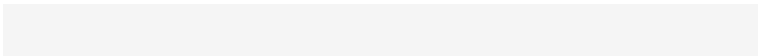
87, 21.565, 199.615



63, 90.654, 136.259



46, 14.668, 199.468



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



65, 37.263, 199.049



83, 45.526, 199.146



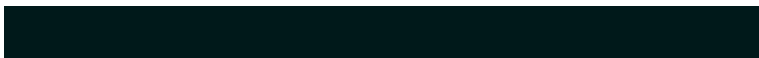
38, 55.407, 284.476



37, 3.626, 200.503



56, 33.414, 199.065



7, 8.896, 201.384

Inverse Universe

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



42, 86.699, 328.892



55, 106.148, 328.939



49, 63.526, 62.673



35, 6.672, 325.388



36, 77.885, 328.918



3, 15.972, 325.151

Previews

White Background



This preview shows how the CIE LCh color 65, 37.264, 199.050 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 65, 37.264, 199.050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

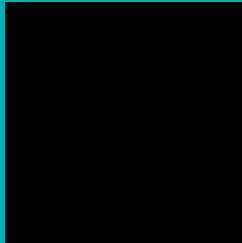
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 37.264, 199.050

Background



This preview shows how black text looks on a background with the CIELCh color 65, 37.264, 199.050.

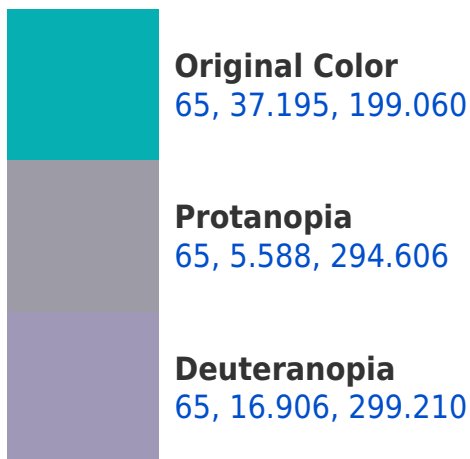


This preview shows how white text looks on a background with the CIELCh color 65, 37.264, 199.050.

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
65, 35.000, 209.776

Trichromacy



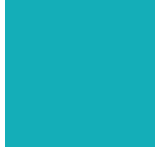
Original Color
65, 37.195, 199.060



Protanomaly
63, 20.380, 208.918



Deuteranomaly
63, 21.206, 230.173



Tritanomaly
65, 35.745, 205.708

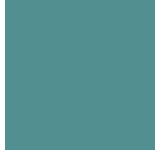
Monochromacy



Original Color
65, 37.195, 199.060



Achromatopsia
52, 0.007, 296.813



Achromatomaly
55, 20.833, 199.048

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 37.264, 199.050 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(5, 175, 178)` looks like.

```
.text, #text, p{  
    color:rgb(5, 175, 178)  
}
```

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(5, 175, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 175, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 37.264, 199.050 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(5, 175, 178) }
```

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

```
.border{ border-color:rgb(5, 175, 178) }
```

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

Here you see how a box with a 4 pixel rgb(5, 175, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 175, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 175, 178);  
box-shadow:4px 4px 4px 4px rgb(5, 175,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 37.264, 199.050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 175, 178) }
```

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

```
.background{ background-color: rgb(5, 175,  
178) }
```

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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