

Converting Colors

CIELCh(65, 36.596, 204.656)

Have a look what the booklet for
CIELCh(65, 36.596, 204.656)
contains.

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Color

CIELCh(65, 36.645, 204.516)

Conversions

Conversions Part 1

Format	Color
Hex	02AFB8
RGB	2, 175, 184
RGB Percent	1%, 69%, 72%
CMY	0.9919, 0.3145, 0.2792
CMYK	0.99, 0.05, 0.00, 0.28
HSL	183°, 98%, 36%
HSV	183°, 99%, 72%
XYZ	23.9470, 34.0472, 50.5470
YIQ	124.2990, -105.9970, -33.8770

Conversions

Conversions Part 2

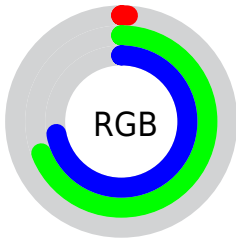
Format	Color
RYB	2, 91, 184
Decimal	176056
CIELab	65.00, -33.34, -15.21
CIELCh	65, 36.645, 204.516
Yxy	34.0472, 0.2206, 0.3137
Android (android.graphics.Color)	4278366136 (0xFF02AFB8)
YUV	124.2990, 29.4326, -107.2562
Hunter-Lab	58.3500, -28.8555, -10.5164

Details

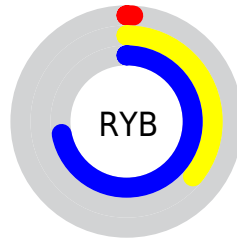
The CIELCh color **65, 36.645, 204.516** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **39, 80.421, 40.185**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 36.722, 204.562**, and **46, 28.067, 207.744** is the 20% darker color. If you saturate the color by 10%, you get **65, 36.689, 204.594**, and if you desaturate by 10%, it is **65, 36.144, 203.832**.

Distribution



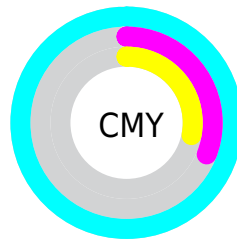
- Red (1%)
- Green (69%)
- Blue (72%)



- Red (1%)
- Yellow (36%)
- Blue (72%)



- Cyan (99%)
- Magenta (5%)
- Yellow (0%)
- Black (28%)





- Cyan (99%)
- Magenta (31%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 36.645, 204.516 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, 36.645, 204.516 by changing the saturation by 10% instead.


 65, 36.645,
204.516


 65, 36.645,
204.516


 100, 36.645,
204.516


 55, 36.645,
204.516


 85, 36.645,
204.516

 45, 36.645,
204.516

 95, 36.645,
204.516

 35, 36.645,
204.516

 25, 36.645,
204.516

 15, 36.645,
204.516

 5, 36.645, 204.516

 0, 36.645, 204.516

■ 65, 36.645,
204.516

■ 65, 36.645,
204.516

■ 65, 36.689,
204.594

■ 65, 36.144,
203.832

■ 66, 34.985,
203.304

■ 67, 33.018,
202.942

■ 67, 30.217,
202.735

■ 68, 26.607,
202.668

■ 69, 22.251,
202.723

■ 70, 17.238,
202.885

■ 72, 11.668,

203.143

■ 73, 5.646, 203.506

Harmonies

Complementary

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



65, 36.645, 204.516



39, 80.421, 40.185

Rectangle

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



65, 36.645, 204.516



65, 36.645, 254.516



65, 36.645, 24.516



65, 36.645, 74.516

Sweetspot

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



65, 36.644, 204.515



89, 22.079, 202.852



65, 92.787, 136.328



47, 14.798, 202.779



97, 0.011, 296.813



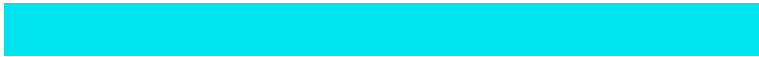
50, 0.007, 296.813

Same Dimension

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



65, 36.644, 204.515



83, 44.727, 204.742



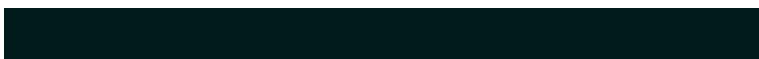
38, 59.583, 286.706



38, 3.595, 203.486



56, 32.458, 204.482



8, 9.736, 204.732

Inverse Universe

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



43, 86.745, 330.275



56, 106.012, 330.340



51, 65.323, 63.682



36, 6.681, 326.289



36, 76.887, 330.276



3, 17.901, 326.675

Previews

White Background



This preview shows how the CIE LCh color 65, 36.645, 204.516 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 CIE LCh color 65, 36.645, 204.516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

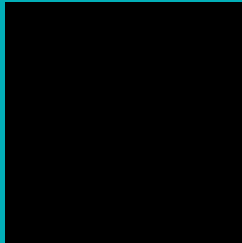
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

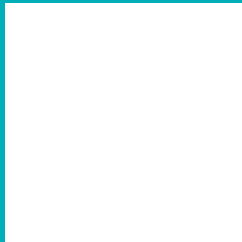
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 36.645, 204.516

Background



This preview shows how black text looks on a background with the CIELCh color 65, 36.645, 204.516.



This preview shows how white text looks on a background with the CIELCh color 65, 36.645, 204.516.

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
65, 36.678, 204.506

Protanopia
65, 8.354, 288.551

Deuteranopia
65, 20.124, 295.265

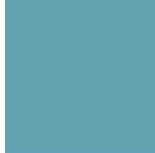


Tritanopia
65, 35.556, 209.530

Trichromacy



Original Color
65, 36.678, 204.506



Protanomaly
63, 21.519, 217.704



Deuteranomaly
63, 23.309, 237.067



Tritanomaly
65, 35.952, 207.493

Monochromacy



Original Color
65, 36.678, 204.506



Achromatopsia
52, 0.007, 296.813



Achromatomaly
55, 20.655, 203.946

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 36.645, 204.516 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(2, 175, 184)` looks like.

```
.text, #text, p{  
    color:rgb(2, 175, 184)  
}
```

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(2, 175, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 175, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 36.645, 204.516 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(2, 175, 184) }
```

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

```
.border{ border-color:rgb(2, 175, 184) }
```

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

Here you see how a box with a 4 pixel rgb(2, 175, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 175, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 175, 184);  
box-shadow:4px 4px 4px 4px rgb(2, 175,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 36.645, 204.516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 175, 184) }
```

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

```
.background{ background-color: rgb(2, 175,  
184) }
```

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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