

Converting Colors

CIELCh(62, 54.443, 209.422)

Have a look what the booklet for
CIELCh(62, 54.443, 209.422)
contains.

CIELCh(65, 36.184, 217.836)	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(65, 36.184, 217.836)

Conversions

Conversions Part 1

Format	Color
Hex	02ADC4
RGB	2, 173, 196
RGB Percent	1%, 68%, 77%
CMY	0.9924, 0.3201, 0.2299
CMYK	0.99, 0.12, 0.00, 0.23
HSL	187°, 98%, 39%
HSV	187°, 99%, 77%
XYZ	25.0473, 34.0472, 57.7049
YIQ	124.4930, -109.2990, -29.0990

Conversions

Conversions Part 2

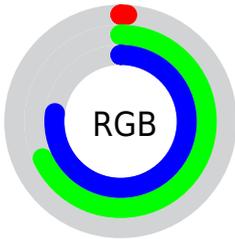
Format	Color
RYB	2, 93, 196
Decimal	175556
CIELab	65.00, -28.58, -22.20
CIELCh	65, 36.184, 217.836
Yxy	34.0472, 0.2144, 0.2915
Android (android.graphics.Color)	4278365636 (0xFF02ADC4)
YUV	124.4930, 35.2530, -107.4264
Hunter-Lab	58.3500, -25.4897, -17.7896

Details

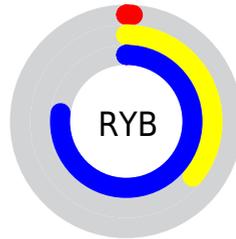
The CIELCh color **65, 36.184, 217.836** is a dark color, and the websafe version is hex **339999**. The color can be described as dark washed azure. A complement of this color would be **42, 83.350, 41.236**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 36.160, 217.997**, and **46, 28.181, 225.029** is the 20% darker color. If you saturate the color by 10%, you get **65, 36.217, 218.041**, and if you desaturate by 10%, it is **66, 35.746, 215.821**.

Distribution



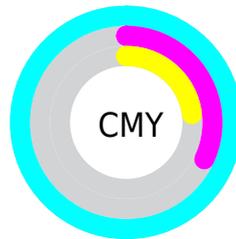
- Red (1%)
- Green (68%)
- Blue (77%)



- Red (1%)
- Yellow (36%)
- Blue (77%)



- Cyan (99%)
- Magenta (12%)
- Yellow (0%)
- Black (23%)



- Cyan (99%)
- Magenta (32%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 36.184, 217.836 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, 36.184, 217.836 by changing the saturation by 10% instead.

 65, 36.184,
217.836

 65, 36.184,
217.836

 100, 36.184,
217.836

 55, 36.184,
217.836

 85, 36.184,
217.836

 45, 36.184,
217.836

 95, 36.184,
217.836

 35, 36.184,
217.836

 25, 36.184,
217.836

 15, 36.184,
217.836

 5, 36.184, 217.836

 0, 36.184, 217.836

■ 65, 36.184,
217.836

■ 65, 36.184,
217.836

■ 65, 36.217,
218.041

■ 66, 35.746,
215.821

■ 67, 34.655,
214.170

■ 68, 32.752,
212.889

■ 69, 30.008,
211.932

■ 70, 26.448,
211.251

■ 72, 22.140,
210.799

■ 74, 17.175,
210.538

■ 75, 11.656,

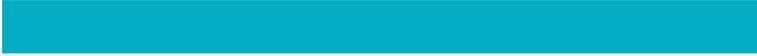
210.436

■ 77, 5.686, 210.488

Harmonies

Complementary

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



65, 36.184, 217.836



42, 83.350, 41.236

Rectangle

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



65, 36.184, 217.836



65, 36.184, 267.836



65, 36.184, 37.836



65, 36.184, 87.836

Sweetspot

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



65, 36.183, 217.835



93, 21.834, 210.566



69, 95.584, 137.153



49, 14.636, 210.667



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 36.183, 217.835



82, 44.042, 218.426



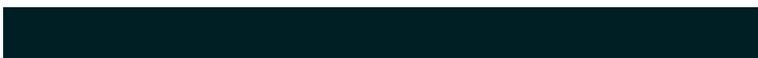
36, 73.466, 293.373



41, 3.613, 210.482



55, 31.599, 217.711



10, 11.635, 212.504

Inverse Universe

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



45, 86.382, 333.551



59, 105.139, 333.703



58, 67.555, 71.037



39, 6.806, 328.354



38, 75.494, 333.526



4, 24.136, 331.315

Previews

White Background



This preview shows how the CIELCh color 65, 36.184, 217.836 looks on a white background.

Color Contrast Check

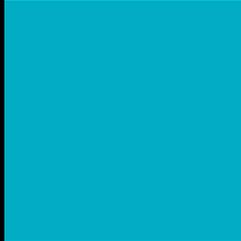
Large Text (above 18pt) WCAG AA × Fail

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, 36.184, 217.836 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, 36.184, 217.836

Background



This preview shows how black text looks on a background with the CIELCh color 65, 36.184, 217.836.



This preview shows how white text looks on a background with the CIELCh color 65, 36.184, 217.836.

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, 36.125, 217.876

Protanopia

65, 16.186, 286.898

Deuteranopia

65, 26.183, 289.254



Tritanopia
65, 36.298, 209.212

Trichromacy



Original Color
65, 36.125, 217.876



Protanomaly
63, 24.353, 236.707



Deuteranomaly
63, 27.807, 248.604



Tritanomaly
65, 36.199, 212.063

Monochromacy



Original Color
65, 36.125, 217.876



Achromatopsia
52, 0.007, 296.813



Achromatomaly
56, 20.894, 210.366

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 36.184, 217.836 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, 173, 196)` looks like.

```
.text, #text, p{  
    color:rgb(2, 173, 196)  
}
```

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, 173, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 173, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 36.184, 217.836 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, 173, 196) }
```

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

```
.border{ border-color:rgb(2, 173, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 173, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 173, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 173, 196);  
box-shadow:4px 4px 4px 4px rgb(2, 173,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 36.184, 217.836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 173, 196) }
```

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

```
.background{ background-color: rgb(2, 173,  
196) }
```

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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