

Converting Colors

CIELCh(65, 36.946, 192.089)

Have a look what the booklet for
CIELCh(65, 36.946, 192.089)
contains.

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Color

CIELCh(65, 36.861, 192.049)

Conversions

Conversions Part 1

Format	Color
Hex	22AFAA
RGB	34, 175, 170
RGB Percent	13%, 69%, 67%
CMY	0.8678, 0.3123, 0.3320
CMYK	0.81, 0.00, 0.03, 0.31
HSL	178°, 68%, 41%
HSV	178°, 81%, 69%
XYZ	23.3363, 34.0472, 43.5431
YIQ	132.2710, -82.4310, -31.4470

Conversions

Conversions Part 2

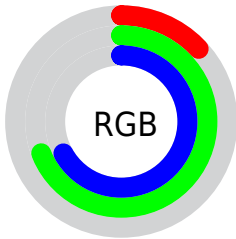
Format	Color
RYB	34, 106, 175
Decimal	2273194
CIELab	65.00, -36.05, -7.69
CIELCh	65, 36.861, 192.049
Yxy	34.0472, 0.2312, 0.3373
Android (android.graphics.Color)	4280463274 (0xFF22AFAA)
YUV	132.2710, 18.6004, -86.1837
Hunter-Lab	58.3500, -30.7237, -3.3996

Details

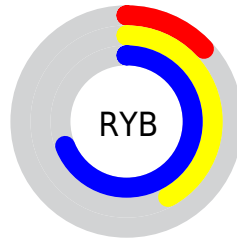
The CIELCh color **65, 36.861, 192.049** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **39, 65.126, 31.735**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 36.692, 191.986**, and **46, 29.776, 191.646** is the 20% darker color. If you saturate the color by 10%, you get **65, 38.195, 191.569**, and if you desaturate by 10%, it is **65, 34.756, 192.527**.

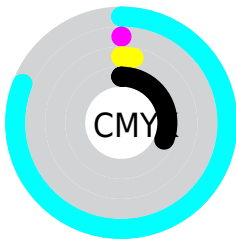
Distribution



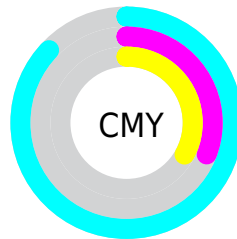
- Red (13%)
- Green (69%)
- Blue (67%)



- Red (13%)
- Yellow (42%)
- Blue (69%)



- Cyan (81%)
- Magenta (0%)
- Yellow (3%)
- Black (31%)





- Cyan (87%)
- Magenta (31%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 36.861, 192.049 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, 36.861, 192.049 by changing the saturation by 10% instead.


 65, 36.861,
192.049


 65, 36.861,
192.049


 100, 36.861,
192.049


 55, 36.861,
192.049


 85, 36.861,
192.049

 45, 36.861,
192.049

 95, 36.861,
192.049

 35, 36.861,
192.049

 25, 36.861,
192.049

 15, 36.861,
192.049

 5, 36.861, 192.049

 0, 36.861, 192.049

■ 65, 36.861,
192.049

■ 65, 36.861,
192.049

■ 65, 38.195,
191.569

■ 65, 34.756,
192.527

■ 65, 38.923,
191.123

■ 66, 31.846,
193.018

■ 66, 28.147,
193.528

■ 67, 23.715,
194.063

■ 68, 18.633,
194.626

■ 69, 13.003,
195.221

■ 70, 6.929, 195.860

■ 71, 0.512, 197.384

Harmonies

Complementary

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



65, 36.861, 192.049



39, 65.126, 31.735

Rectangle

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



65, 36.861, 192.049



65, 36.861, 242.049



65, 36.861, 12.049



65, 36.861, 62.049

Sweetspot

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



65, 36.861, 192.048



87, 18.314, 195.001



63, 83.044, 136.604



46, 12.536, 194.794



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



65, 36.861, 192.048



82, 47.012, 191.185



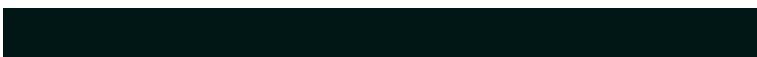
46, 40.457, 269.714



36, 3.617, 195.963



56, 34.758, 191.185



6, 7.831, 195.112

Inverse Universe

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



39, 65.126, 31.735



48, 92.814, 38.218



49, 54.610, 60.530



34, 3.818, 17.045



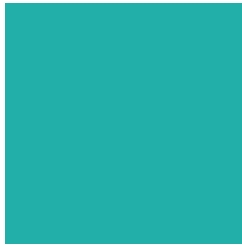
31, 68.698, 38.023



2, 7.813, 17.004

Previews

White Background



This preview shows how the CIELCh color 65, 36.861, 192.049 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, 36.861, 192.049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

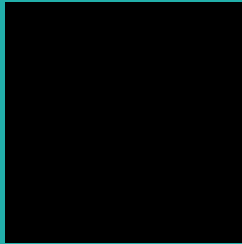
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 36.861, 192.049

Background



This preview shows how black text looks on a background with the CIELCh color 65, 36.861, 192.049.

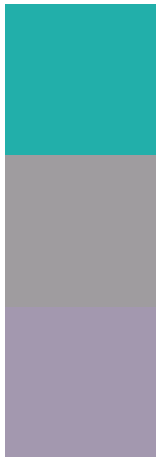


This preview shows how white text looks on a background with the CIELCh color 65, 36.861, 192.049.

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](#).

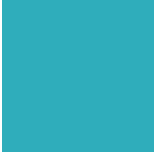
Dichromacy



Original Color
65, 36.770, 192.046

Protanopia
65, 2.041, 324.437

Deuteranopia
64, 13.509, 308.902



Tritanopia
65, 33.039, 210.705

Trichromacy



Original Color
65, 36.770, 192.046



Protanomaly
64, 17.361, 197.921



Deuteranomaly
63, 16.335, 224.873



Tritanomaly
65, 34.097, 203.361

Monochromacy



Original Color
65, 36.770, 192.046



Achromatopsia
55, 0.007, 296.813



Achromatomaly
58, 18.267, 194.114

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 36.861, 192.049 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(34, 175, 170)` looks like.

```
.text, #text, p{  
    color:rgb(34, 175, 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(34, 175, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 175, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 36.861, 192.049 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(34, 175, 170) }
```

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

```
.border{ border-color:rgb(34, 175, 170) }
```

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

Here you see how a box with a 4 pixel rgb(34, 175, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 175, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 175, 170);  
box-shadow:4px 4px 4px 4px rgb(34, 175,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 36.861, 192.049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 175, 170) }
```

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

```
.background{ background-color: rgb(34, 175,  
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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