

Converting Colors

CIELCh(65, 34.072, 196.652)

Have a look what the booklet for
CIELCh(65, 34.072, 196.652)
contains.

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Color

CIELCh(65, 33.995, 196.664)

Conversions

Conversions Part 1

Format	Color
Hex	32AEAE
RGB	50, 174, 174
RGB Percent	20%, 68%, 68%
CMY	0.8034, 0.3173, 0.3173
CMYK	0.71, 0.00, 0.00, 0.32
HSL	180°, 55%, 44%
HSV	180°, 71%, 68%
XYZ	24.1235, 34.0472, 45.3892
YIQ	136.9240, -73.9040, -26.2880

Conversions

Conversions Part 2

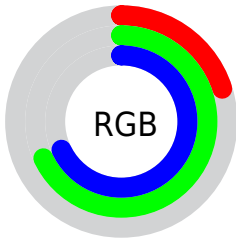
Format	Color
RYB	50, 112, 174
Decimal	3321518
CIELab	65.00, -32.57, -9.75
CIElCh	65, 33.995, 196.664
Yxy	34.0472, 0.2329, 0.3288
Android (android.graphics.Color)	4281511598 (0xFF32AEAE)
YUV	136.9240, 18.2785, -76.2323
Hunter-Lab	58.3500, -28.3156, -5.2755

Details

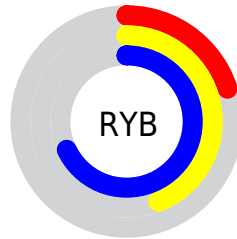
The CIELCh color **65, 33.995, 196.664** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **40, 58.063, 30.561**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 33.946, 196.265**, and **46, 28.715, 197.615** is the 20% darker color. If you saturate the color by 10%, you get **65, 35.913, 196.515**, and if you desaturate by 10%, it is **65, 31.276, 196.874**.

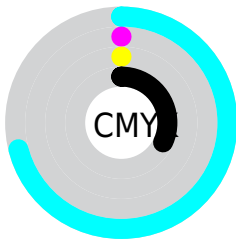
Distribution



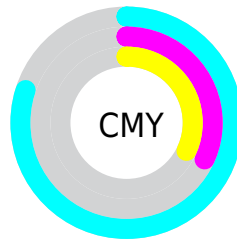
- Red (20%)
- Green (68%)
- Blue (68%)



- Red (20%)
- Yellow (44%)
- Blue (68%)



- Cyan (71%)
- Magenta (0%)
- Yellow (0%)
- Black (32%)





- Cyan (80%)
- Magenta (32%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 33.995, 196.664 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, 33.995, 196.664 by changing the saturation by 10% instead.


 65, 33.995,
196.664


 65, 33.995,
196.664


 100, 33.995,
196.664


 55, 33.995,
196.664


 85, 33.995,
196.664

 45, 33.995,
196.664

 95, 33.995,
196.664

 35, 33.995,
196.664

 25, 33.995,
196.664

 15, 33.995,
196.664

 5, 33.995, 196.664

 0, 33.995, 196.664

■ 65, 33.995,
196.664

■ 65, 33.995,
196.664

■ 65, 35.913,
196.515

■ 65, 31.276,
196.874

■ 65, 37.073,
196.426

■ 66, 27.764,
197.149

■ 64, 37.643,
196.383

■ 67, 23.507,
197.489

■ 68, 18.583,
197.890

■ 69, 13.085,
198.349

■ 70, 7.117, 198.875

■ 71, 0.780, 199.976

■ 72, 5.835, 19.816

Harmonies

Complementary

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



65, 33.995, 196.664



40, 58.063, 30.561

Rectangle

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



65, 33.995, 196.664



65, 33.995, 246.664



65, 33.995, 16.664



65, 33.995, 66.664

Sweetspot

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



65, 33.995, 196.663



87, 16.072, 198.340



63, 76.615, 137.849



46, 10.868, 198.211



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, 33.995, 196.663



82, 44.640, 196.461



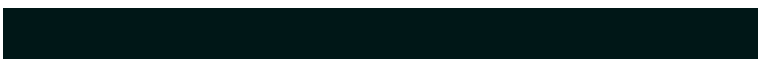
47, 37.835, 269.778



36, 3.603, 198.987



56, 33.808, 196.383



6, 7.801, 199.419

Inverse Universe

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



40, 58.063, 30.561



49, 85.906, 35.881



52, 47.282, 64.883



34, 3.818, 19.907



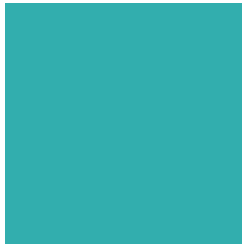
31, 69.981, 39.446



2, 7.802, 19.403

Previews

White Background



This preview shows how the CIE LCh color 65, 33.995, 196.664 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, 33.995, 196.664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

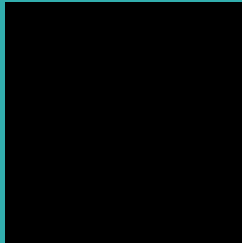
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 33.995, 196.664

Background



This preview shows how black text looks on a background with the CIELCh color 65, 33.995, 196.664.

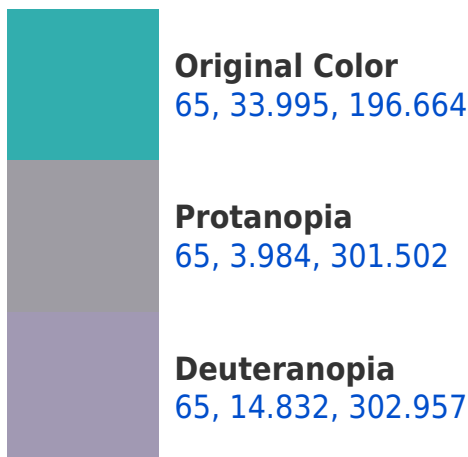


This preview shows how white text looks on a background with the CIELCh color 65, 33.995, 196.664.

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, 31.557, 211.478

Trichromacy



Original Color
65, 33.995, 196.664



Protanomaly
64, 15.394, 206.524



Deuteranomaly
64, 15.939, 232.722



Tritanomaly
65, 32.285, 205.910

Monochromacy



Original Color
65, 33.995, 196.664



Achromatopsia
57, 0.007, 296.813



Achromatomaly
59, 15.919, 197.959

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 33.995, 196.664 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(50, 174, 174)` looks like.

```
.text, #text, p{  
    color:rgb(50, 174, 174)  
}
```

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(50, 174, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 174, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 33.995, 196.664 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(50, 174, 174) }
```

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

```
.border{ border-color:rgb(50, 174, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 174, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 174, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 174, 174);  
box-shadow:4px 4px 4px 4px rgb(50, 174,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 33.995, 196.664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 174, 174) }
```

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

```
.background{ background-color: rgb(50, 174,  
174) }
```

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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