

Converting Colors

CIELCh(65, 33.819, 196.648)

Have a look what the booklet for
CIELCh(65, 33.819, 196.648)
contains.

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Color

CIELCh(65, 33.861, 196.675)

Conversions

Conversions Part 1

Format	Color
Hex	33AEAE
RGB	51, 174, 174
RGB Percent	20%, 68%, 68%
CMY	0.7998, 0.3175, 0.3175
CMYK	0.71, 0.00, 0.00, 0.32
HSL	180°, 55%, 44%
HSV	180°, 71%, 68%
XYZ	24.1533, 34.0472, 45.3599
YIQ	137.2230, -73.3080, -26.0760

Conversions

Conversions Part 2

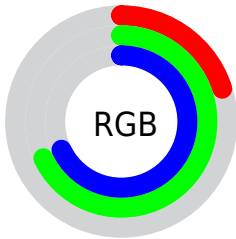
Format	Color
RYB	51, 113, 174
Decimal	3387054
CIELab	65.00, -32.44, -9.72
CIELCh	65, 33.861, 196.675
Yxy	34.0472, 0.2332, 0.3288
Android (android.graphics.Color)	4281577134 (0xFF33AEAE)
YUV	137.2230, 18.1311, -75.6176
Hunter-Lab	58.3500, -28.2244, -5.2457

Details

The CIELCh color **65, 33.861, 196.675** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **41, 57.579, 30.388**, 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, 35.821, 196.523**, and if you desaturate by 10%, it is **65, 31.099, 196.888**.

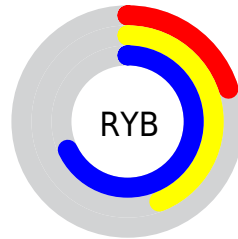
Distribution



Red (20%)

Green (68%)

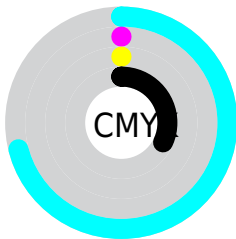
Blue (68%)



Red (20%)

Yellow (44%)

Blue (68%)

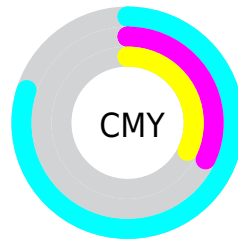


Cyan (71%)

Magenta (0%)

Yellow (0%)

Black (32%)



Cyan (80%)


Magenta (32%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 33.861, 196.675 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, 33.861, 196.675 by changing the saturation by 10% instead.


 65, 33.861,
196.675


 65, 33.861,
196.675


 100, 33.861,
196.675


 55, 33.861,
196.675


 85, 33.861,
196.675

 45, 33.861,
196.675

 95, 33.861,
196.675

 35, 33.861,
196.675

 25, 33.861,
196.675

 15, 33.861,
196.675

 5, 33.861, 196.675

 0, 33.861, 196.675

65, 33.861,
196.675

65, 33.861,
196.675

65, 35.821,
196.523

65, 31.099,
196.888

65, 37.019,
196.431

66, 27.547,
197.167

64, 37.634,
196.384

67, 23.253,
197.510

68, 18.297,
197.914

69, 12.773,
198.376

70, 6.784, 198.907

71, 0.431, 200.523

72, 6.194, 19.853

Harmonies

Complementary

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



65, 33.861, 196.675



41, 57.579, 30.388

Rectangle

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



65, 33.861, 196.675



65, 33.861, 246.675



65, 33.861, 16.675



65, 33.861, 66.675

Sweetspot

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



65, 33.861, 196.674



87, 16.072, 198.341



63, 76.186, 137.903



46, 10.868, 198.212



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, 33.861, 196.674



82, 44.640, 196.463



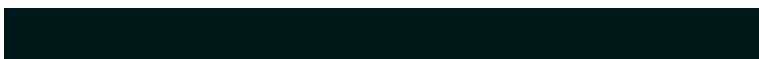
47, 37.561, 269.574



36, 3.603, 198.988



56, 33.808, 196.384



6, 7.801, 199.420

Inverse Universe

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



41, 57.579, 30.388



49, 85.907, 35.881



52, 46.883, 64.957



34, 3.818, 19.908



31, 69.982, 39.446



2, 7.802, 19.404

Previews

White Background



This preview shows how the CIE LCh color 65, 33.861, 196.675 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, 33.861, 196.675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

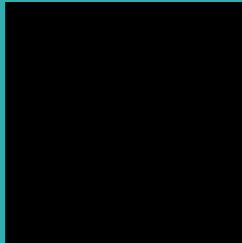
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

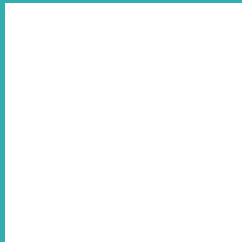
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 33.861, 196.675

Background



This preview shows how black text looks on a background with the CIELCh color 65, 33.861, 196.675.

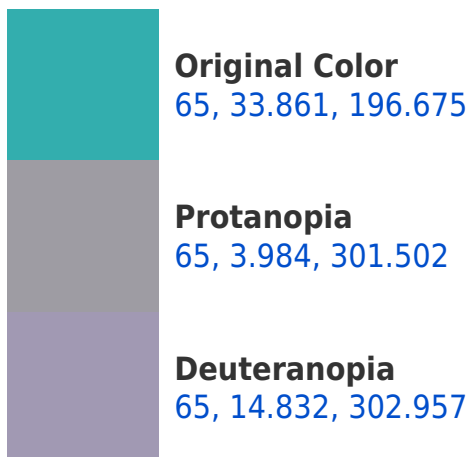


This preview shows how white text looks on a background with the CIELCh color 65, 33.861, 196.675.

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, 33.861, 196.675



Protanomaly
64, 15.394, 206.524



Deuteranomaly
64, 15.939, 232.722



Tritanomaly
65, 32.285, 205.910

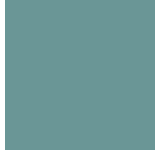
Monochromacy



Original Color
65, 33.861, 196.675



Achromatopsia
57, 0.007, 296.813



Achromatomaly
59, 15.604, 197.988

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 33.861, 196.675 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(51, 174, 174)` looks like.

```
.text, #text, p{  
    color:rgb(51, 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(51, 174, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 174, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 33.861, 196.675 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(51, 174, 174) }
```

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

```
.border{ border-color:rgb(51, 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(51, 174, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 174, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 174, 174);  
box-shadow:4px 4px 4px 4px rgb(51, 174,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 33.861, 196.675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 174, 174) }
```

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

```
.background{ background-color: rgb(51, 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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