

Converting Colors

CIELCh(65, 34.188, 180.860)

Have a look what the booklet for
CIELCh(65, 34.188, 180.860)
contains.

CIELCh(65, 34.025, 181.331)	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, 34.025, 181.331)

Conversions

Conversions Part 1

Format	Color
Hex	45AE9E
RGB	69, 174, 158
RGB Percent	27%, 68%, 62%
CMY	0.7290, 0.3173, 0.3800
CMYK	0.60, 0.00, 0.09, 0.32
HSL	171°, 43%, 48%
HSV	171°, 60%, 68%
XYZ	23.7939, 34.0472, 37.7045
YIQ	140.7810, -57.4440, -27.2360

Conversions

Conversions Part 2

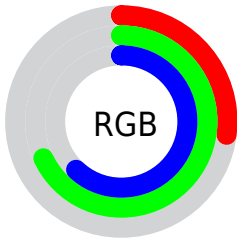
Format	Color
R _{YB}	69, 126, 174
Decimal	4566686
CIE _{Lab}	65.00, -34.02, -0.79
CIE _{LCh}	65, 34.025, 181.331
Y _{xy}	34.0472, 0.2490, 0.3563
Android (android.graphics.Color)	4282756766 (0xFF45AE9E)
YUV	140.7810, 8.4890, -62.9519
Hunter-Lab	58.3500, -29.3239, 2.5330

Details

The CIELCh color **65, 34.025, 181.331** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **44, 46.100, 16.246**, and the grayscale version is **59, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 33.828, 181.695**, and **45, 32.132, 180.813** is the 20% darker color. If you saturate the color by 10%, you get **64, 37.612, 180.166**, and if you desaturate by 10%, it is **66, 29.702, 182.402**.

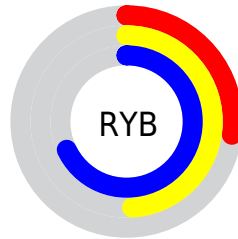
Distribution



Red (27%)

Green (68%)

Blue (62%)



Red (27%)

Yellow (49%)

Blue (68%)

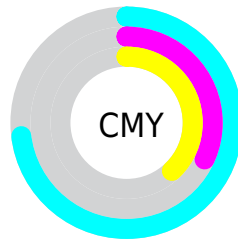


Cyan (60%)

Magenta (0%)

Yellow (9%)

Black (32%)



Cyan (73%)


Magenta (32%)


Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 34.025, 181.331 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, 34.025, 181.331 by changing the saturation by 10% instead.


 65, 34.025,
181.331


 65, 34.025,
181.331


 100, 34.025,
181.331


 55, 34.025,
181.331


 85, 34.025,
181.331

 45, 34.025,
181.331

 95, 34.025,
181.331

 35, 34.025,
181.331

 25, 34.025,
181.331

 15, 34.025,
181.331

 5, 34.025, 181.331

 0, 34.025, 181.331

65, 34.025,
181.331

65, 34.025,
181.331

64, 37.612,
180.166

66, 29.702,
182.402

64, 40.428,
178.889

66, 24.717,
183.403

64, 42.491,
177.481

67, 19.166,
184.350

64, 43.956,
176.022

68, 13.159,
185.258

70, 6.804, 186.153

71, 0.201, 189.267

73, 6.561, 7.654

74, 13.408, 8.478

76, 20.279, 9.257

Harmonies

Complementary

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



65, 34.025, 181.331



44, 46.100, 16.246

Rectangle

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



65, 34.025, 181.331



65, 34.025, 231.331



65, 34.025, 1.331



65, 34.025, 51.331

Sweetspot

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



65, 34.025, 181.330



87, 14.533, 185.435



64, 64.771, 136.034



46, 10.119, 185.179



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, 34.025, 181.330



82, 46.970, 179.800



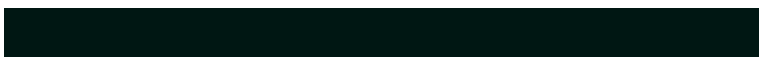
55, 27.516, 245.573



36, 3.732, 186.245



56, 39.393, 176.222



6, 8.195, 182.333

Inverse Universe

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



44, 46.100, 16.246



53, 67.995, 20.477



51, 39.929, 51.921



34, 3.889, 7.696



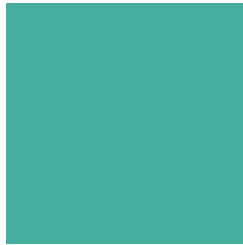
31, 64.125, 31.898



2, 7.947, 9.179

Previews

White Background



This preview shows how the CIE LCh color 65, 34.025, 181.331 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, 34.025, 181.331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

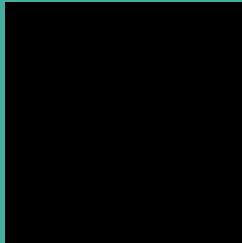
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 34.025, 181.331

Background



This preview shows how black text looks on a background with the CIELCh color 65, 34.025, 181.331.

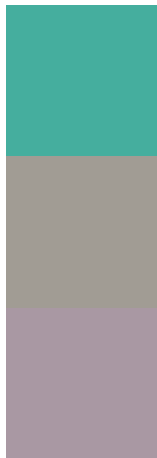


This preview shows how white text looks on a background with the CIELCh color 65, 34.025, 181.331.

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, 34.025, 181.331

Protanopia
65, 4.836, 85.760

Deuteranopia
65, 8.954, 337.187



Tritanopia
65, 27.616, 213.891

Trichromacy



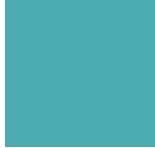
Original Color
65, 34.025, 181.331



Protanomaly
64, 14.438, 172.983



Deuteranomaly
64, 9.831, 201.852



Tritanomaly
65, 28.798, 201.559

Monochromacy



Original Color
65, 34.025, 181.331



Achromatopsia
59, 0.008, 296.813



Achromatomaly
60, 14.385, 184.425

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 34.025, 181.331 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(69, 174, 158)` looks like.

```
.text, #text, p{  
    color:rgb(69, 174, 158)  
}
```

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(69, 174, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 174, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 34.025, 181.331 is called "border". The border property can be set on classes, ids or directly on the HTML element.

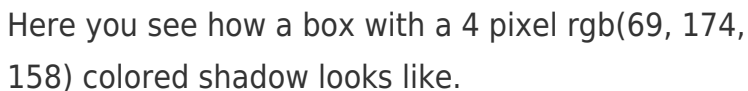
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(69, 174, 158) }
```

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

```
.border{ border-color:rgb(69, 174, 158) }
```

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



Here you see how a box with a 4 pixel rgb(69, 174, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(69, 174, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(69, 174, 158); box-shadow:4px 4px 4px 4px rgb(69, 174, 158) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 34.025, 181.331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 174, 158) }
```

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

```
.background{ background-color: rgb(69, 174,  
158) }
```

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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