

Converting Colors

CIELCh(65, 34.660, 196.622)

Have a look what the booklet for
CIELCh(65, 34.660, 196.622)
contains.

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Color

CIELCh(65, 34.626, 196.616)

Conversions

Conversions Part 1

Format	Color
Hex	2EAEAE
RGB	46, 174, 174
RGB Percent	18%, 68%, 68%
CMY	0.8214, 0.3163, 0.3163
CMYK	0.74, 0.00, 0.00, 0.32
HSL	180°, 59%, 43%
HSV	180°, 74%, 68%
XYZ	23.9837, 34.0472, 45.5289
YIQ	135.7280, -76.2880, -27.1360

Conversions

Conversions Part 2

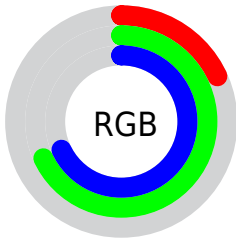
Format	Color
R_{YB}	46, 110, 174
Decimal	3059374
CIE _{Lab}	65.00, -33.18, -9.90
CIE _{LCh}	65, 34.626, 196.616
Yxy	34.0472, 0.2316, 0.3288
Android (android.graphics.Color)	4281249454 (0xFF2EAEAE)
YUV	135.7280, 18.8681, -78.6915
Hunter-Lab	58.3500, -28.7433, -5.4175




Details

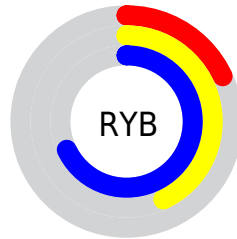
The CIELCh color **65, 34.626, 196.616** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **40, 60.450, 31.447**, and the grayscale version is **57, 0.007, 296.813**.




A 20% lighter version of the original color is **85, 34.586, 196.240**, and **46, 28.715, 197.615** is the 20% darker color. If you saturate the color by 10%, you get **65, 36.336, 196.483**, and if you desaturate by 10%, it is **65, 32.119, 196.809**.

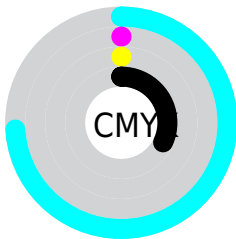
Distribution







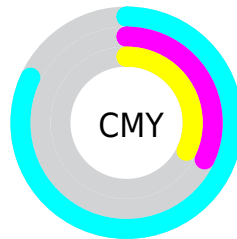
-  Red (18%)
-  Green (68%)
-  Blue (68%)






-  Red (18%)
-  Yellow (43%)
-  Blue (68%)



-  Cyan (74%)
-  Magenta (0%)
-  Yellow (0%)
-  Black (32%)





-  Cyan (82%)
-  Magenta (32%)
-  Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 34.626, 196.616 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, 34.626, 196.616 by changing the saturation by 10% instead.


 65, 34.626,
196.616


 65, 34.626,
196.616


 100, 34.626,
196.616


 55, 34.626,
196.616


 85, 34.626,
196.616

 45, 34.626,
196.616

 95, 34.626,
196.616

 35, 34.626,
196.616

 25, 34.626,
196.616

 15, 34.626,
196.616

 5, 34.626, 196.616

 0, 34.626, 196.616

65, 34.626,
196.616

65, 34.626,
196.616

65, 36.336,
196.483

65, 32.119,
196.809

65, 37.308,
196.409

66, 28.813,
197.067

65, 37.685,
196.380

67, 24.744,
197.390

67, 19.984,
197.775

68, 14.623,
198.218

69, 8.764, 198.724

71, 2.508, 199.389

72, 4.049, 19.623

Harmonies

Complementary

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



65, 34.626, 196.616



40, 60.450, 31.447

Rectangle

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



65, 34.626, 196.616



65, 34.626, 246.616



65, 34.626, 16.616



65, 34.626, 66.616

Sweetspot

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



65, 34.626, 196.615



87, 16.782, 198.289



63, 78.673, 137.585



46, 11.265, 198.164



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, 34.626, 196.615



82, 45.132, 196.428



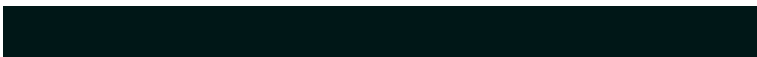
46, 39.198, 270.816



36, 3.603, 198.985



56, 33.809, 196.380



6, 7.801, 199.416

Inverse Universe

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



40, 60.450, 31.447



48, 89.234, 37.228



52, 49.257, 64.507



34, 3.818, 19.906



31, 69.981, 39.445



2, 7.802, 19.402

Previews

White Background



This preview shows how the CIE LCh color 65, 34.626, 196.616 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, 34.626, 196.616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

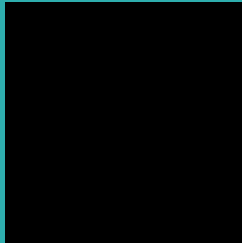
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

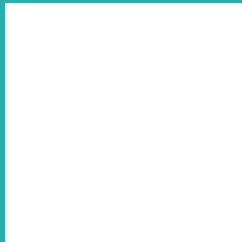
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 34.626, 196.616

Background



This preview shows how black text looks on a background with the CIELCh color 65, 34.626, 196.616.

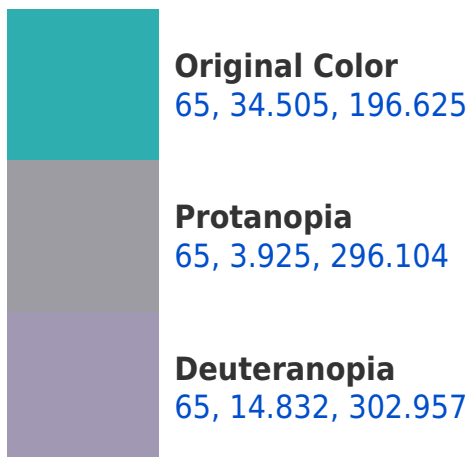


This preview shows how white text looks on a background with the CIELCh color 65, 34.626, 196.616.

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





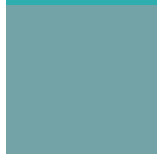
Tritanopia
65, 32.107, 211.186

Trichromacy



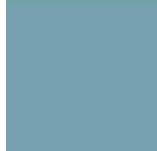
Original Color

65, 34.505, 196.625



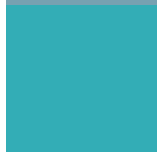
Protanomaly

64, 16.315, 205.974



Deuteranomaly

64, 16.446, 231.494



Tritanomaly

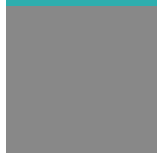
65, 32.823, 205.722

Monochromacy



Original Color

65, 34.505, 196.625



Achromatopsia

57, 0.007, 296.813



Achromatomaly

59, 16.542, 197.902

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 34.626, 196.616 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(46, 174, 174)` looks like.

```
.text, #text, p{  
    color:rgb(46, 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(46, 174, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 174, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 34.626, 196.616 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(46, 174, 174) }
```

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

```
.border{ border-color:rgb(46, 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(46, 174, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 174, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 174, 174);  
box-shadow:4px 4px 4px 4px rgb(46, 174,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 34.626, 196.616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 174, 174) }
```

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

```
.background{ background-color: rgb(46, 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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