

Converting Colors

CIELCh(65, 34.237, 228.244)

Have a look what the booklet for
CIELCh(65, 34.237, 228.244)
contains.

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Color

CIELCh(65, 34.140, 227.984)

Conversions

Conversions Part 1

Format	Color
Hex	2EABCA
RGB	46, 171, 202
RGB Percent	18%, 67%, 79%
CMY	0.8185, 0.3288, 0.2072
CMYK	0.77, 0.15, 0.00, 0.21
HSL	192°, 63%, 49%
HSV	192°, 77%, 79%
XYZ	26.4135, 34.0472, 61.1615
YIQ	137.1590, -84.4510, -16.8590

Conversions

Conversions Part 2

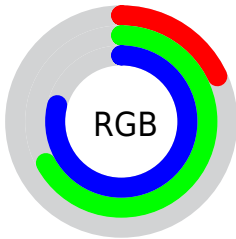
Format	Color
RYB	46, 115, 202
Decimal	3058634
CIELab	65.00, -22.85, -25.36
CIElCh	65, 34.140, 227.984
Yxy	34.0472, 0.2172, 0.2799
Android (android.graphics.Color)	4281248714 (0xFF2EABCA)
YUV	137.1590, 31.9666, -79.9464
Hunter-Lab	58.3500, -21.3100, -21.3018

Details

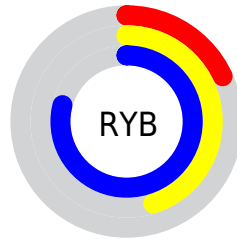
The CIELCh color **65, 34.140, 227.984** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **50, 64.619, 41.994**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 33.603, 223.872**, and **46, 29.189, 233.944** is the 20% darker color. If you saturate the color by 10%, you get **63, 35.683, 230.938**, and if you desaturate by 10%, it is **67, 31.881, 225.620**.

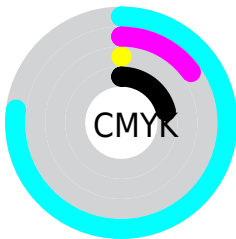
Distribution



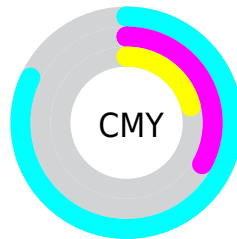
- Red (18%)
- Green (67%)
- Blue (79%)



- Red (18%)
- Yellow (45%)
- Blue (79%)



- Cyan (77%)
- Magenta (15%)
- Yellow (0%)
- Black (21%)





- Cyan (82%)
- Magenta (33%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 34.140, 227.984 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, 34.140, 227.984 by changing the saturation by 10% instead.


 65, 34.140,
227.984


 65, 34.140,
227.984


 100, 34.140,
227.984


 55, 34.140,
227.984


 85, 34.140,
227.984

 45, 34.140,
227.984

 95, 34.140,
227.984

 35, 34.140,
227.984

 25, 34.140,
227.984

 15, 34.140,
227.984

 5, 34.140, 227.984

 0, 34.140, 227.984

■ 65, 34.140,
227.984

■ 65, 34.140,
227.984

■ 63, 35.683,
230.938

■ 67, 31.881,
225.620

■ 62, 36.641,
234.511

■ 68, 28.870,
223.773

■ 62, 36.888,
235.589

■ 70, 25.129,
222.356

■ 73, 20.720,
221.293

■ 75, 15.729,
220.516

■ 77, 10.249,
219.973

■ 80, 4.372, 219.659

■ 82, 1.817, 38.984

Harmonies

Complementary

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



65, 34.140, 227.984



50, 64.619, 41.994

Rectangle

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



65, 34.140, 227.984



65, 34.140, 277.984



65, 34.140, 47.984



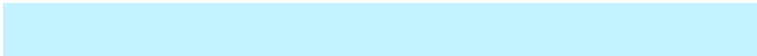
65, 34.140, 97.984

Sweetspot

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



65, 34.139, 227.984



93, 16.322, 220.284



72, 82.251, 141.635



49, 11.158, 220.507



0, 0.000, 0.000



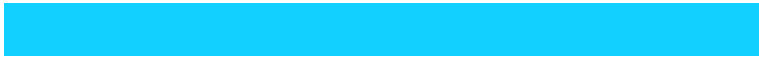
53, 0.007, 296.813

Same Dimension

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



65, 34.139, 227.984



78, 43.370, 233.444



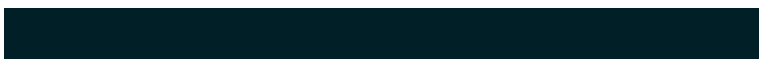
43, 63.851, 289.751



42, 3.496, 219.704



51, 31.784, 234.975



10, 11.743, 226.086

Inverse Universe

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



49, 77.628, 335.917



58, 98.459, 337.548



66, 60.048, 81.760



40, 6.566, 331.042



37, 71.828, 337.992



5, 24.680, 335.325

Previews

White Background



This preview shows how the CIE LCh color 65, 34.140, 227.984 looks on a white background.

Color Contrast Check

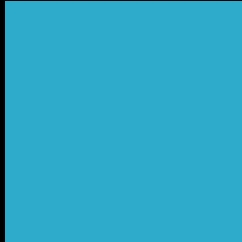
Large Text (above 18pt) WCAG AA × Fail

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, 34.140, 227.984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

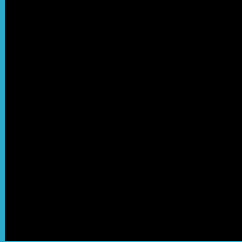
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 34.140, 227.984

Background



This preview shows how black text looks on a background with the CIELCh color 65, 34.140, 227.984.

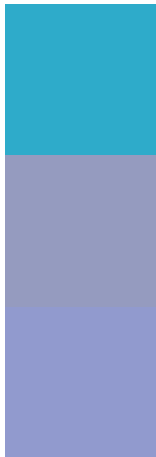


This preview shows how white text looks on a background with the CIELCh color 65, 34.140, 227.984.

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

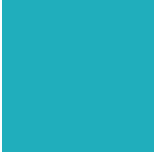
65, 34.140, 227.984

Protanopia

65, 20.103, 286.399

Deuteranopia

65, 29.016, 287.389



Tritanopia
65, 34.775, 209.877

Trichromacy



Original Color
65, 34.140, 227.984



Protanomaly
64, 23.800, 251.869



Deuteranomaly
64, 28.698, 260.409



Tritanomaly
65, 34.238, 216.134

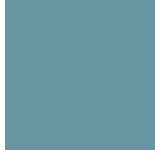
Monochromacy



Original Color
65, 34.140, 227.984



Achromatopsia
57, 0.007, 296.813



Achromatomaly
59, 16.503, 222.680

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 34.140, 227.984 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, 171, 202)` looks like.

```
.text, #text, p{  
    color:rgb(46, 171, 202)  
}
```

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, 171, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 171, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 34.140, 227.984 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, 171, 202) }
```

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

```
.border{ border-color:rgb(46, 171, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 171, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 171, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 171, 202);  
box-shadow:4px 4px 4px 4px rgb(46, 171,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 34.140, 227.984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 171, 202) }
```

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

```
.background{ background-color: rgb(46, 171,  
202) }
```

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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