

Converting Colors

CIELCh(65, 35.905, 220.010)

Have a look what the booklet for
CIELCh(65, 35.905, 220.010)
contains.

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Color

CIELCh(65, 35.905, 220.010)

Conversions

Conversions Part 1

Format	Color
Hex	0DADC6
RGB	13, 173, 198
RGB Percent	5%, 68%, 78%
CMY	0.9490, 0.3216, 0.2235
CMYK	0.93, 0.13, 0.00, 0.22
HSL	188°, 88%, 41%
HSV	188°, 93%, 78%
XYZ	25.3004, 34.0472, 58.6607
YIQ	128.0100, -103.3850, -26.1450

Conversions

Conversions Part 2

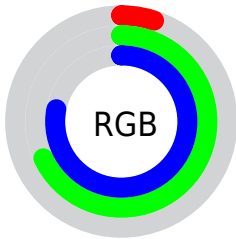
Format	Color
RYB	13, 99, 198
Decimal	896454
CIELab	65.00, -27.50, -23.08
CIELCh	65, 35.905, 220.010
Yxy	34.0472, 0.2144, 0.2885
Android (android.graphics.Color)	4279086534 (0xFF0DADC6)
YUV	128.0100, 34.5051, -100.8638
Hunter-Lab	58.3500, -24.7153, -18.7608

Details

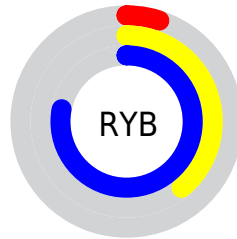
The CIELCh color **65, 35.905, 220.010** is a dark color, and the websafe version is hex **339999**. The color can be described as dark washed azure. A complement of this color would be **43, 79.845, 40.990**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 35.994, 219.962**, and **46, 28.446, 227.568** is the 20% darker color. If you saturate the color by 10%, you get **64, 36.161, 221.612**, and if you desaturate by 10%, it is **66, 35.108, 217.857**.

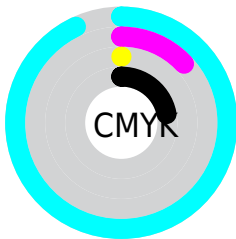
Distribution



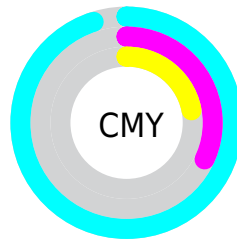
- Red (5%)
- Green (68%)
- Blue (78%)



- Red (5%)
- Yellow (39%)
- Blue (78%)



- Cyan (93%)
- Magenta (13%)
- Yellow (0%)
- Black (22%)





- Cyan (95%)
- Magenta (32%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 35.905, 220.010 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, 35.905, 220.010 by changing the saturation by 10% instead.


 65, 35.905,
220.010


 65, 35.905,
220.010


 100, 35.905,
220.010


 55, 35.905,
220.010


 85, 35.905,
220.010

 45, 35.905,
220.010

 95, 35.905,
220.010

 35, 35.905,
220.010

 25, 35.905,
220.010

 15, 35.905,
220.010

 5, 35.905, 220.010

 0, 35.905, 220.010

■ 65, 35.905,
220.010

■ 65, 35.905,
220.010

■ 64, 36.161,
221.612

■ 66, 35.108,
217.857

■ 67, 33.552,
216.149

■ 68, 31.172,
214.834

■ 70, 27.970,
213.857

■ 71, 23.994,
213.161

■ 73, 19.329,
212.697

■ 75, 14.070,
212.424

■ 77, 8.321, 212.315

Harmonies

Complementary

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



65, 35.905, 220.010



43, 79.845, 40.990

Rectangle

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



65, 35.905, 220.010



65, 35.905, 270.010



65, 35.905, 40.010



65, 35.905, 90.010

Sweetspot

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



65, 35.904, 220.009



93, 20.280, 212.539



70, 93.377, 138.026



49, 13.761, 212.675



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, 35.904, 220.009



81, 43.719, 222.046



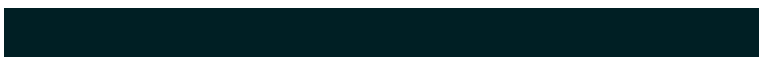
38, 71.446, 292.420



41, 3.566, 212.322



54, 31.351, 221.210



10, 11.503, 215.159

Inverse Universe

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



46, 85.176, 334.058



58, 103.749, 334.603



60, 66.215, 74.009



39, 6.726, 328.889



37, 74.523, 334.394



4, 23.779, 332.023

Previews

White Background



This preview shows how the CIE LCh color 65, 35.905, 220.010 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, 35.905, 220.010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

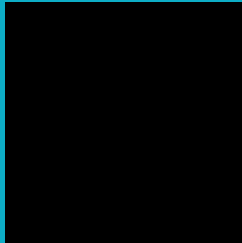
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 35.905, 220.010

Background



This preview shows how black text looks on a background with the CIELCh color 65, 35.905, 220.010.



This preview shows how white text looks on a background with the CIELCh color 65, 35.905, 220.010.

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

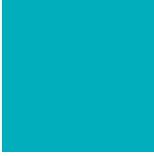
65, 35.905, 220.010

Protanopia

65, 17.316, 286.214

Deuteranopia

65, 26.750, 288.695



Tritanopia
65, 36.298, 209.212

Trichromacy



Original Color
65, 35.905, 220.010



Protanomaly
64, 24.058, 239.070



Deuteranomaly
64, 28.102, 251.597



Tritanomaly
65, 36.069, 213.076

Monochromacy



Original Color
65, 35.905, 220.010



Achromatopsia
54, 0.007, 296.813



Achromatomaly
56, 19.667, 213.028

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 35.905, 220.010 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(13, 173, 198)` looks like.

```
.text, #text, p{  
    color:rgb(13, 173, 198)  
}
```

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(13, 173, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 173, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 35.905, 220.010 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(13, 173, 198) }
```

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

```
.border{ border-color:rgb(13, 173, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 173, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(13, 173, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(13, 173, 198); box-shadow:4px 4px 4px 4px rgb(13, 173, 198) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 35.905, 220.010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 173, 198) }
```

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

```
.background{ background-color: rgb(13, 173,  
198) }
```

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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