

Converting Colors

CIELCh(65, 33.698, 210.384)

Have a look what the booklet for
CIELCh(65, 33.698, 210.384)
contains.

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Color

CIELCh(65, 33.698, 210.384)

Conversions

Conversions Part 1

Format	Color
Hex	2AADBB
RGB	42, 173, 187
RGB Percent	16%, 68%, 73%
CMY	0.8341, 0.3209, 0.2660
CMYK	0.77, 0.07, 0.00, 0.27
HSL	186°, 63%, 45%
HSV	186°, 77%, 73%
XYZ	24.9319, 34.0472, 52.3687
YIQ	135.4270, -82.5700, -23.4180

Conversions

Conversions Part 2

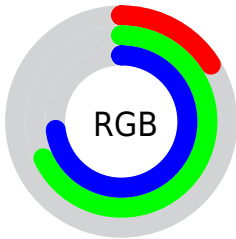
Format	Color
R _Y B	42, 111, 187
Decimal	2796987
CIE Lab	65.00, -29.07, -17.04
CIE LCh	65, 33.698, 210.384
Yxy	34.0472, 0.2239, 0.3058
Android (android.graphics.Color)	4280987067 (0xFF2AADB8)
YUV	135.4270, 25.4255, -81.9355
Hunter-Lab	58.3500, -25.8425, -12.3674

Details

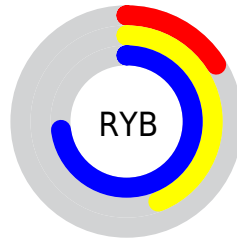
The CIELCh color **65, 33.698, 210.384** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **44, 64.239, 36.597**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 33.788, 210.038**, and **46, 27.639, 214.547** is the 20% darker color. If you saturate the color by 10%, you get **64, 34.890, 211.598**, and if you desaturate by 10%, it is **66, 31.699, 209.462**.

Distribution



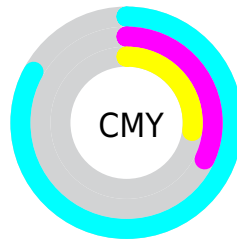
- Red (16%)
- Green (68%)
- Blue (73%)



- Red (16%)
- Yellow (44%)
- Blue (73%)



- Cyan (77%)
- Magenta (7%)
- Yellow (0%)
- Black (27%)





- Cyan (83%)
- Magenta (32%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 33.698, 210.384 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, 33.698, 210.384 by changing the saturation by 10% instead.


 65, 33.698,
210.384


 65, 33.698,
210.384


 100, 33.698,
210.384


 55, 33.698,
210.384


 85, 33.698,
210.384

 45, 33.698,
210.384

 95, 33.698,
210.384

 35, 33.698,
210.384

 25, 33.698,
210.384

 15, 33.698,
210.384

 5, 33.698, 210.384

 0, 33.698, 210.384

■ 65, 33.698,
210.384

■ 65, 33.698,
210.384

■ 64, 34.890,
211.598

■ 66, 31.699,
209.462

■ 64, 35.381,
213.120

■ 67, 28.877,
208.801

■ 63, 35.467,
213.536

■ 68, 25.267,
208.362

■ 70, 20.938,
208.109

■ 71, 15.982,
208.014

■ 73, 10.499,
208.053

■ 75, 4.590, 208.240

■ 76, 1.653, 28.004

Harmonies

Complementary

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



65, 33.698, 210.384



44, 64.239, 36.597

Rectangle

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



65, 33.698, 210.384



65, 33.698, 260.384



65, 33.698, 30.384



65, 33.698, 80.384

Sweetspot

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



65, 33.697, 210.383



91, 16.787, 208.015



67, 82.427, 139.103



48, 11.562, 208.013



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



65, 33.697, 210.383



81, 42.824, 212.655



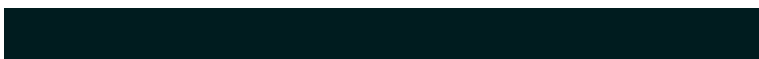
44, 51.243, 282.275



39, 3.523, 208.185



54, 31.335, 213.292



8, 10.277, 210.446

Inverse Universe

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



46, 78.548, 331.451



57, 102.143, 332.248



58, 55.000, 72.981



37, 6.615, 327.679



36, 75.014, 332.440



3, 19.537, 329.130

Previews

White Background



This preview shows how the CIE LCh color 65, 33.698, 210.384 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, 33.698, 210.384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

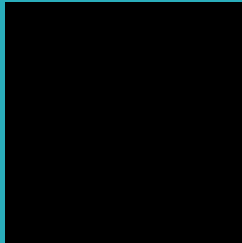
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 33.698, 210.384

Background



This preview shows how black text looks on a background with the CIELCh color 65, 33.698, 210.384.



This preview shows how white text looks on a background with the CIELCh color 65, 33.698, 210.384.

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, 33.698, 210.384

Protanopia

65, 11.701, 289.651

Deuteranopia

65, 21.758, 293.364



Tritanopia
65, 33.698, 210.384

Trichromacy



Original Color
65, 33.698, 210.384



Protanomaly
64, 18.648, 231.081



Deuteranomaly
64, 21.945, 248.724



Tritanomaly
65, 33.698, 210.384

Monochromacy



Original Color
65, 33.698, 210.384



Achromatopsia
57, 0.007, 296.813



Achromatomaly
59, 16.715, 207.790

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 33.698, 210.384 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(42, 173, 187)` looks like.

```
.text, #text, p{  
    color:rgb(42, 173, 187)  
}
```

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(42, 173, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 173, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 33.698, 210.384 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(42, 173, 187) }
```

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

```
.border{ border-color:rgb(42, 173, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 173, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 173, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 173, 187);  
box-shadow:4px 4px 4px 4px rgb(42, 173,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 33.698, 210.384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 173, 187) }
```

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

```
.background{ background-color: rgb(42, 173,  
187) }
```

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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