

Converting Colors

CIELCh(65, 39.878, 163.322)

Have a look what the booklet for
CIELCh(65, 39.878, 163.322)
contains.

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Color

CIELCh(65, 39.878, 163.322)

Conversions

Conversions Part 1

Format	Color
Hex	4DAF88
RGB	77, 175, 136
RGB Percent	30%, 69%, 53%
CMY	0.6977, 0.3134, 0.4664
CMYK	0.56, 0.00, 0.22, 0.31
HSL	156°, 39%, 49%
HSV	156°, 56%, 69%
XYZ	22.8585, 34.0472, 28.6841
YIQ	141.2520, -45.8890, -32.9050

Conversions

Conversions Part 2

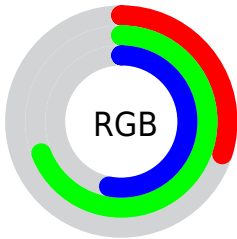
Format	Color
RYB	77, 138, 175
Decimal	5091208
CIELab	65.00, -38.20, 11.44
CIElCh	65, 39.878, 163.322
Yxy	34.0472, 0.2671, 0.3978
Android (android.graphics.Color)	4283281288 (0xFF4DAF88)
YUV	141.2520, -2.5892, -56.3490
Hunter-Lab	58.3500, -32.1854, 11.6988

Details

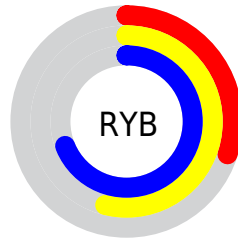
The CIELCh color **65, 39.878, 163.322** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **47, 44.191, 356.692**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 40.009, 163.269**, and **45, 40.091, 163.042** is the 20% darker color. If you saturate the color by 10%, you get **64, 45.599, 161.752**, and if you desaturate by 10%, it is **66, 33.553, 164.718**.

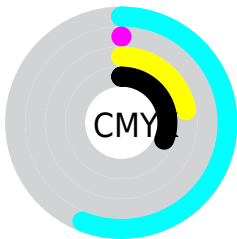
Distribution



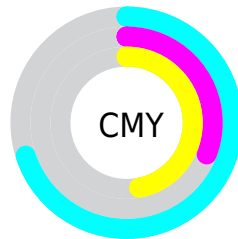
- Red (30%)
- Green (69%)
- Blue (53%)



- Red (30%)
- Yellow (54%)
- Blue (69%)



- Cyan (56%)
- Magenta (0%)
- Yellow (22%)
- Black (31%)





- Cyan (70%)
- Magenta (31%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 39.878, 163.322 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, 39.878, 163.322 by changing the saturation by 10% instead.


 65, 39.878,
163.322


 65, 39.878,
163.322


 100, 39.878,
163.322


 55, 39.878,
163.322


 85, 39.878,
163.322

 45, 39.878,
163.322

 95, 39.878,
163.322

 35, 39.878,
163.322

 25, 39.878,
163.322

 15, 39.878,
163.322

 5, 39.878, 163.322

 0, 39.878, 163.322

65, 39.878,
163.322

65, 39.878,
163.322

64, 45.599,
161.752

66, 33.553,
164.718

64, 50.629,
159.989

67, 26.734,
165.967

63, 54.933,
158.020

68, 19.547,
167.093

63, 58.552,
155.857

69, 12.114,
168.121

63, 59.922,
154.998

71, 4.544, 169.104

72, 3.069, 349.741

74, 10.651,
350.628

76, 18.143,
351.386

■ 78, 25.504,
352.091

Harmonies

Complementary

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



65, 39.878, 163.322



47, 44.191, 356.692

Rectangle

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



65, 39.878, 163.322



65, 39.878, 213.322



65, 39.878, 343.322



65, 39.878, 33.322

Sweetspot

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



65, 39.879, 163.321



87, 15.908, 167.990



66, 56.896, 129.930



46, 10.713, 167.793



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, 39.879, 163.321



81, 56.764, 161.385



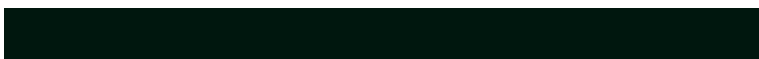
63, 26.875, 209.163



36, 4.270, 168.773



55, 53.297, 155.302



6, 9.665, 163.987

Inverse Universe

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



47, 44.191, 356.692



55, 63.395, 359.491



48, 41.559, 32.588



34, 4.350, 350.315



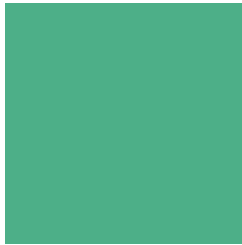
31, 57.142, 10.936



2, 8.672, 354.271

Previews

White Background



This preview shows how the CIELCh color 65, 39.878, 163.322 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, 39.878, 163.322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

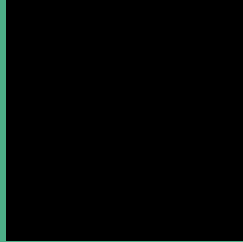
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 39.878, 163.322

Background



This preview shows how black text looks on a background with the CIELCh color 65, 39.878, 163.322.

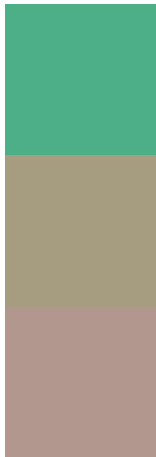


This preview shows how white text looks on a background with the CIELCh color 65, 39.878, 163.322.

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, 39.878, 163.322

Protanopia
64, 16.570, 93.996

Deuteranopia
64, 11.943, 47.733



Tritanopia
65, 24.612, 214.809

Trichromacy



Original Color
65, 39.878, 163.322



Protanomaly
64, 21.617, 140.039



Deuteranomaly
64, 13.883, 141.176



Tritanomaly
65, 27.376, 190.056

Monochromacy



Original Color
65, 39.878, 163.322



Achromatopsia
59, 0.008, 296.813



Achromatomaly
60, 15.492, 167.326

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 39.878, 163.322 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(77, 175, 136)` looks like.

```
.text, #text, p{  
    color:rgb(77, 175, 136)  
}
```

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(77, 175, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 175, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 39.878, 163.322 is called "border". The border property can be set on classes, ids or directly on the HTML element.

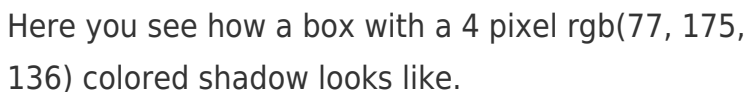
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(77, 175, 136) }
```

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

```
.border{ border-color:rgb(77, 175, 136) }
```

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



Here you see how a box with a 4 pixel `rgb(77, 175, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(77, 175, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(77, 175, 136); box-shadow:4px 4px 4px 4px rgb(77, 175, 136) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 39.878, 163.322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 175, 136) }
```

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

```
.background{ background-color: rgb(77, 175,  
136) }
```

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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