

Converting Colors

CIELCh(66, 43.981, 176.657)

Have a look what the booklet for
CIELCh(66, 43.981, 176.657)
contains.

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Color

CIElCh(66, 43.876, 176.618)

Conversions

Conversions Part 1

Format	Color
Hex	14B49A
RGB	20, 180, 154
RGB Percent	8%, 71%, 60%
CMY	0.9203, 0.2923, 0.3944
CMYK	0.89, 0.00, 0.14, 0.29
HSL	170°, 80%, 39%
HSV	170°, 89%, 71%
XYZ	22.5754, 35.3238, 36.3876
YIQ	129.1960, -87.0140, -42.0060

Conversions

Conversions Part 2

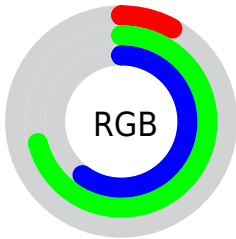
Format	Color
RYB	20, 107, 180
Decimal	1356954
CIELab	66.00, -43.80, 2.59
CIELCh	66, 43.876, 176.618
Yxy	35.3238, 0.2394, 0.3746
Android (android.graphics.Color)	4279547034 (0xFF14B49A)
YUV	129.1960, 12.2284, -95.7649
Hunter-Lab	59.4338, -36.2075, 5.3041

Details

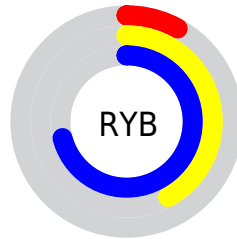
The CIELCh color **66, 43.876, 176.618** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **39, 67.251, 26.540**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 44.052, 176.202**, and **47, 35.803, 173.269** is the 20% darker color. If you saturate the color by 10%, you get **66, 45.530, 175.044**, and if you desaturate by 10%, it is **66, 41.577, 178.065**.

Distribution



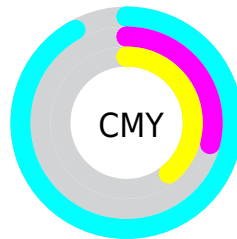
- Red (8%)
- Green (71%)
- Blue (60%)



- Red (8%)
- Yellow (42%)
- Blue (71%)



- Cyan (89%)
- Magenta (0%)
- Yellow (14%)
- Black (29%)



- Cyan (92%)
- Magenta (29%)
- Yellow (39%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 43.876, 176.618 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 66, 43.876, 176.618 by changing the saturation by 10% instead.

 66, 43.876,
176.618

 66, 43.876,
176.618


 100, 43.876,
176.618

 56, 43.876,
176.618


 86, 43.876,
176.618

 46, 43.876,
176.618

 96, 43.876,
176.618

 36, 43.876,
176.618

 26, 43.876,
176.618

 16, 43.876,
176.618

 6, 43.876, 176.618

 0, 43.876, 176.618

■ 66, 43.876,
176.618

■ 66, 43.876,
176.618

■ 66, 45.530,
175.044

■ 66, 41.577,
178.065

■ 66, 45.727,
174.849

■ 67, 38.498,
179.376

■ 67, 34.628,
180.569

■ 68, 30.012,
181.667

■ 69, 24.731,
182.689

■ 70, 18.890,
183.653

■ 71, 12.602,
184.577

■ 72, 5.980, 185.493

Harmonies

Complementary

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



66, 43.876, 176.618



39, 67.251, 26.540

Rectangle

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



66, 43.876, 176.618



66, 43.876, 226.618



66, 43.876, 356.618



66, 43.876, 46.618

Sweetspot

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



66, 43.876, 176.617



89, 22.037, 183.774



65, 87.327, 134.851



46, 14.708, 183.458



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



66, 43.876, 176.617



84, 55.847, 174.545



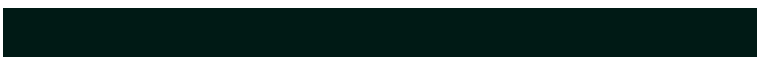
50, 36.985, 256.491



37, 3.837, 185.439



56, 40.382, 175.079



7, 9.707, 180.748

Inverse Universe

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



39, 67.251, 26.540



49, 90.204, 32.963



45, 64.282, 50.483



35, 3.995, 6.917



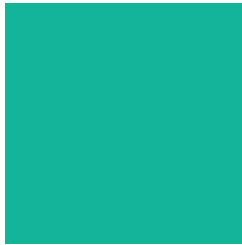
31, 64.543, 31.296



2, 9.329, 9.087

Previews

White Background



This preview shows how the CIE LCh color 66, 43.876, 176.618 looks on a white background.

Color Contrast Check

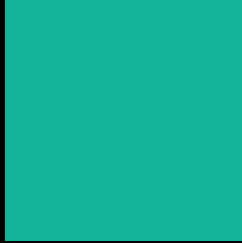
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 66, 43.876, 176.618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

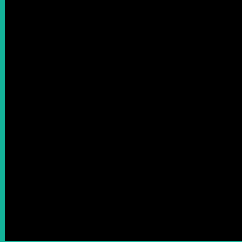
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 43.876, 176.618

Background



This preview shows how black text looks on a background with the CIELCh color 66, 43.876, 176.618.

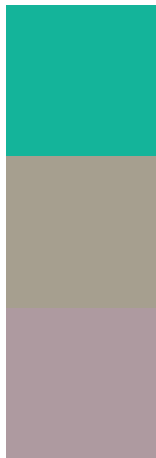


This preview shows how white text looks on a background with the CIELCh color 66, 43.876, 176.618.

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](#).

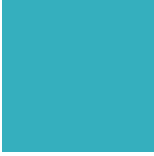
Dichromacy



Original Color
66, 43.819, 176.598

Protanopia
66, 9.258, 91.678

Deuteranopia
65, 8.426, 357.002



Tritanopia
66, 32.793, 211.845

Trichromacy



Original Color
66, 43.819, 176.598



Protanomaly
64, 22.757, 168.116



Deuteranomaly
64, 16.824, 186.417



Tritanomaly
66, 35.625, 196.574

Monochromacy



Original Color
66, 43.819, 176.598



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 21.200, 183.327

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 43.876, 176.618 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(20, 180, 154)` looks like.

```
.text, #text, p{  
    color:rgb(20, 180, 154)  
}
```

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(20, 180, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 180, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 43.876, 176.618 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(20, 180, 154) }
```

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

```
.border{ border-color:rgb(20, 180, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 180, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 180, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 180, 154);  
box-shadow:4px 4px 4px 4px rgb(20, 180,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 43.876, 176.618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 180, 154) }
```

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

```
.background{ background-color: rgb(20, 180,  
154) }
```

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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