

Converting Colors

CIELCh(67, 39.926, 180.848)

Have a look what the booklet for
CIELCh(67, 39.926, 180.848)
contains.

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Color

CIELCh(67, 39.982, 180.895)

Conversions

Conversions Part 1

Format	Color
Hex	2DB6A3
RGB	45, 182, 163
RGB Percent	18%, 71%, 64%
CMY	0.8238, 0.2865, 0.3610
CMYK	0.75, 0.00, 0.10, 0.29
HSL	172°, 60%, 44%
HSV	172°, 75%, 71%
XYZ	24.4014, 36.6320, 40.4105
YIQ	138.8710, -75.5530, -34.9530

Conversions

Conversions Part 2

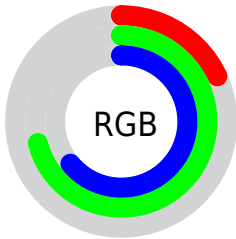
Format	Color
RYB	45, 119, 182
Decimal	2995875
CIELab	67.00, -39.98, -0.62
CIELCh	67, 39.982, 180.895
Yxy	36.6320, 0.2405, 0.3611
Android (android.graphics.Color)	4281185955 (0xFF2DB6A3)
YUV	138.8710, 11.8956, -82.3249
Hunter-Lab	60.5244, -33.9525, 2.7807

Details

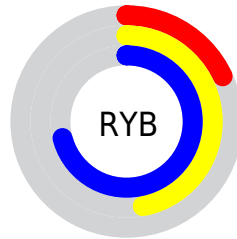
The CIELCh color **67, 39.982, 180.895** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **41, 59.588, 22.404**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 40.084, 180.768**, and **48, 34.140, 178.707** is the 20% darker color. If you saturate the color by 10%, you get **67, 42.385, 179.623**, and if you desaturate by 10%, it is **67, 36.775, 182.052**.

Distribution



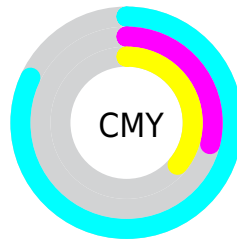
- Red (18%)
- Green (71%)
- Blue (64%)



- Red (18%)
- Yellow (47%)
- Blue (71%)



- Cyan (75%)
- Magenta (0%)
- Yellow (10%)
- Black (29%)





- Cyan (82%)
- Magenta (29%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 39.982, 180.895 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 67, 39.982, 180.895 by changing the saturation by 10% instead.

 67, 39.982,
180.895


 67, 39.982,
180.895


 100, 39.982,
180.895


 57, 39.982,
180.895


 87, 39.982,
180.895

 47, 39.982,
180.895

 97, 39.982,
180.895

 37, 39.982,
180.895

 27, 39.982,
180.895

 17, 39.982,
180.895

 7, 39.982, 180.895

 0, 39.982, 180.895

67, 39.982,
180.895

67, 39.982,
180.895

67, 42.385,
179.623

67, 36.775,
182.052

66, 44.041,
178.224

68, 32.772,
183.117

66, 44.689,
177.555

69, 28.029,
184.110

70, 22.635,
185.048

71, 16.698,
185.946

72, 10.331,
186.821

73, 3.644, 187.739

75, 3.263, 8.262

Harmonies

Complementary

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



67, 39.982, 180.895



41, 59.588, 22.404

Rectangle

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



67, 39.982, 180.895



67, 39.982, 230.895



67, 39.982, 0.895



67, 39.982, 50.895

Sweetspot

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



67, 39.982, 180.894



90, 18.909, 186.115



66, 80.239, 135.442



48, 13.073, 185.796



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



67, 39.982, 180.894



85, 53.047, 178.769



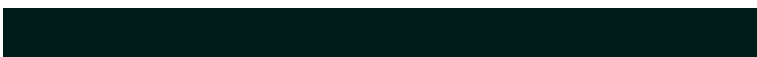
53, 34.085, 253.382



38, 3.892, 187.349



57, 39.724, 177.750



8, 11.150, 182.620

Inverse Universe

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



41, 59.588, 22.404



51, 85.724, 29.675



49, 53.669, 52.682



36, 4.064, 8.783



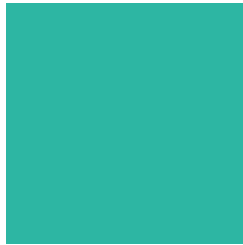
32, 66.411, 32.953



2, 10.774, 11.035

Previews

White Background



This preview shows how the CIELCh color 67, 39.982, 180.895 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 67, 39.982, 180.895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

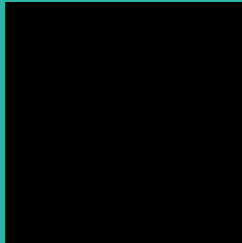
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

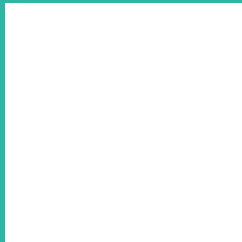
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 39.982, 180.895

Background



This preview shows how black text looks on a background with the CIELCh color 67, 39.982, 180.895.

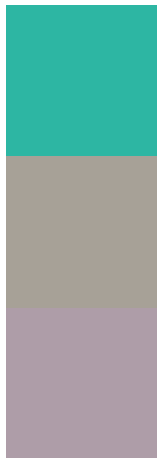


This preview shows how white text looks on a background with the CIELCh color 67, 39.982, 180.895.

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
67, 39.982, 180.895

Protanopia
66, 5.979, 86.424

Deuteranopia
66, 8.904, 337.167



Tritanopia
67, 31.980, 211.209

Trichromacy



Original Color
67, 39.982, 180.895



Protanomaly
66, 18.576, 173.055



Deuteranomaly
65, 13.848, 198.244

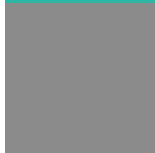


Tritanomaly
67, 33.879, 198.636

Monochromacy



Original Color
67, 39.982, 180.895



Achromatopsia
58, 0.007, 296.813



Achromatomaly
60, 18.351, 185.247

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 39.982, 180.895 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(45, 182, 163)` looks like.

```
.text, #text, p{  
    color:rgb(45, 182, 163)  
}
```

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(45, 182, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 182, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 39.982, 180.895 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(45, 182, 163) }
```

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

```
.border{ border-color:rgb(45, 182, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 182, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 182, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 182, 163);  
box-shadow:4px 4px 4px 4px rgb(45, 182,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 39.982, 180.895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 182, 163) }
```

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

```
.background{ background-color: rgb(45, 182,  
163) }
```

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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