

Converting Colors

CIELCh(83, 45.025, 165.865)

Have a look what the booklet for
CIELCh(83, 45.025, 165.865)
contains.

CIELCh(83, 44.969, 166.040)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(83, 44.969, 166.040)

Conversions

Conversions Part 1

Format	Color
Hex	6DE4B9
RGB	109, 228, 185
RGB Percent	43%, 89%, 73%
CMY	0.5730, 0.1063, 0.2749
CMYK	0.52, 0.00, 0.19, 0.11
HSL	158°, 69%, 66%
HSV	158°, 52%, 89%
XYZ	42.7472, 62.1629, 55.5822
YIQ	187.5170, -57.1210, -38.6010

Conversions

Conversions Part 2

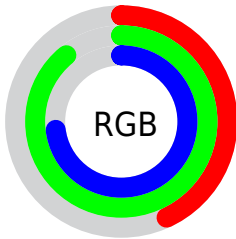
Format	Color
RYB	109, 182, 228
Decimal	7201977
CIELab	83.00, -43.64, 10.85
CIELCh	83, 44.969, 166.040
Yxy	62.1629, 0.2664, 0.3873
Android (android.graphics.Color)	4285392057 (0xFF6DE4B9)
YUV	187.5170, -1.2409, -68.8594
Hunter-Lab	78.8435, -41.1972, 13.3928

Details

The CIELCh color **83, 44.969, 166.040** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **61, 50.654, 358.731**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 29.169, 183.203**, and **63, 45.102, 166.033** is the 20% darker color. If you saturate the color by 10%, you get **82, 51.928, 164.511**, and if you desaturate by 10%, it is **84, 37.271, 167.403**.

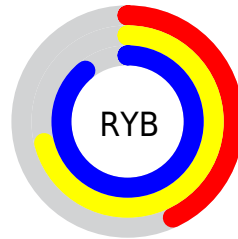
Distribution



Red (43%)

Green (89%)

Blue (73%)



Red (43%)

Yellow (71%)

Blue (89%)

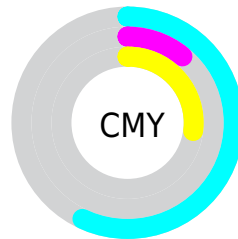


Cyan (52%)

Magenta (0%)

Yellow (19%)

Black (11%)



Cyan (57%)


Magenta (11%)

Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 44.969, 166.040 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 83, 44.969, 166.040 by changing the saturation by 10% instead.

 83, 44.969,
166.040


 83, 44.969,
166.040


 100, 44.969,
166.040


 73, 44.969,
166.040

 63, 44.969,
166.040

 53, 44.969,
166.040

 43, 44.969,
166.040

 33, 44.969,
166.040

 23, 44.969,
166.040

 13, 44.969,

166.040

■ 3, 44.969, 166.040

■ 0, 44.969, 166.040

■ 83, 44.969,
166.040

■ 83, 44.969,
166.040

■ 82, 51.928,
164.511

■ 84, 37.271,
167.403

■ 81, 58.031,
162.794

■ 85, 28.976,
168.629

■ 81, 63.221,
160.870

■ 87, 20.243,
169.743

■ 81, 67.522,
158.736

■ 88, 11.221,
170.772

■ 80, 70.399,

■ 90, 2.043, 171.903

156.988

■ 92, 7.179, 352.450

■ 93, 12.278,
342.397

■ 93, 15.214,
329.677

■ 93, 16.949,
325.012

Harmonies

Complementary

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



83, 44.969, 166.040



61, 50.654, 358.731

Rectangle

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



83, 44.969, 166.040



83, 44.969, 216.040



83, 44.969, 346.040



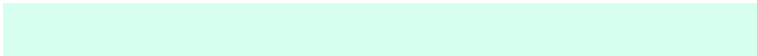
83, 44.969, 36.040

Sweetspot

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



83, 44.970, 166.039



97, 16.052, 170.380



84, 66.715, 131.088



51, 10.820, 170.167



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 44.970, 166.039



91, 57.360, 164.320



80, 30.817, 213.544



47, 5.251, 171.049



64, 58.238, 157.384



18, 22.821, 161.470

Inverse Universe

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



61, 50.654, 358.731



63, 65.656, 1.312



63, 46.483, 34.636



45, 5.368, 352.683



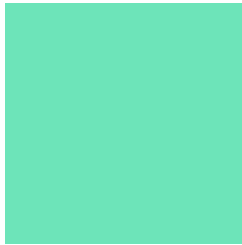
38, 65.466, 15.249



7, 26.771, 4.844

Previews

White Background



This preview shows how the CIE LCh color 83, 44.969, 166.040 looks on a white background.

Color Contrast Check

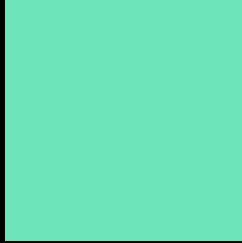
Large Text (above 18pt) WCAG AA × Fail

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 83, 44.969, 166.040 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

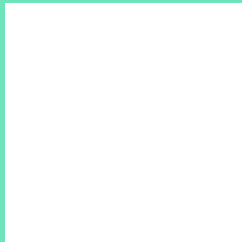
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 44.969, 166.040

Background



This preview shows how black text looks on a background with the CIELCh color 83, 44.969, 166.040.

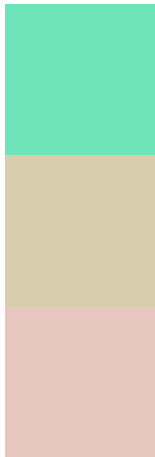


This preview shows how white text looks on a background with the CIELCh color 83, 44.969, 166.040.

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
83, 44.969, 166.040

Protanopia
83, 17.374, 94.431

Deuteranopia
82, 12.754, 36.989



Tritanopia
83, 29.460, 215.547

Trichromacy



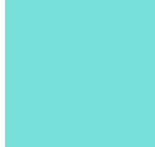
Original Color
83, 44.969, 166.040



Protanomaly
82, 23.319, 143.393



Deuteranomaly
82, 13.617, 147.544

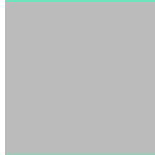


Tritanomaly
83, 32.385, 192.477

Monochromacy



Original Color
83, 44.969, 166.040



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 17.736, 169.171

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 44.969, 166.040 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(109, 228, 185)` looks like.

```
.text, #text, p{  
    color:rgb(109, 228, 185)  
}
```

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(109, 228, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 228, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 44.969, 166.040 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(109, 228, 185) }
```

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

```
.border{ border-color:rgb(109, 228, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 228, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 228, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 228, 185); box-shadow:4px 4px 4px 4px rgb(109, 228, 185) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 44.969, 166.040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 228, 185) }
```

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

```
.background{ background-color: rgb(109,  
228, 185) }
```

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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