

Converting Colors

CIELCh(80, 38.244, 213.279)

Have a look what the booklet for
CIELCh(80, 38.244, 213.279)
contains.

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Color

CIELCh(80, 38.211, 213.412)

Conversions

Conversions Part 1

Format	Color
Hex	46D8EC
RGB	70, 216, 236
RGB Percent	27%, 85%, 93%
CMY	0.7271, 0.1514, 0.0729
CMYK	0.71, 0.08, 0.00, 0.07
HSL	187°, 82%, 60%
HSV	187°, 71%, 93%
XYZ	42.3514, 56.6813, 88.3719
YIQ	174.6260, -93.4360, -24.7320

Conversions

Conversions Part 2

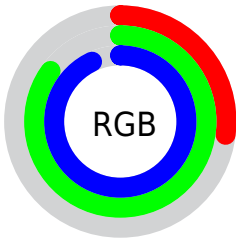
Format	Color
RYB	70, 148, 236
Decimal	4643052
CIELab	80.00, -31.90, -21.04
CIELCh	80, 38.211, 213.412
Yxy	56.6813, 0.2260, 0.3025
Android (android.graphics.Color)	4282833132 (0xFF46D8EC)
YUV	174.6260, 30.2574, -91.7570
Hunter-Lab	75.2870, -31.3401, -16.8937

Details

The CIELCh color **80, 38.211, 213.412** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **58, 69.151, 36.573**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 34.470, 197.301**, and **61, 34.231, 215.276** is the 20% darker color. If you saturate the color by 10%, you get **79, 40.188, 214.817**, and if you desaturate by 10%, it is **81, 35.246, 212.352**.

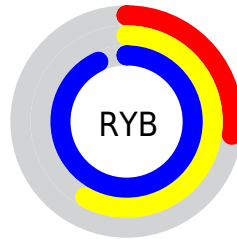
Distribution



Red (27%)

Green (85%)

Blue (93%)



Red (27%)

Yellow (58%)

Blue (93%)

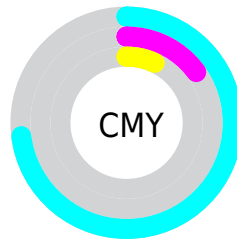


Cyan (71%)

Magenta (8%)

Yellow (0%)

Black (7%)



Cyan (73%)


Magenta (15%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 38.211, 213.412 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 80, 38.211, 213.412 by changing the saturation by 10% instead.


 80, 38.211,
213.412


 80, 38.211,
213.412


 100, 38.211,
213.412


 70, 38.211,
213.412


 60, 38.211,
213.412

 50, 38.211,
213.412

 40, 38.211,
213.412

 30, 38.211,
213.412

 20, 38.211,
213.412

 10, 38.211,

213.412

0, 38.211, 213.412

80, 38.211,
213.412

80, 38.211,
213.412

79, 40.188,
214.817

81, 35.246,
212.352

78, 41.235,
216.617


83, 31.314,
211.590

77, 41.564,
218.660

85, 26.483,
211.075

87, 20.859,
210.765

89, 14.560,
210.624

 91, 7.711, 210.638

 93, 0.425, 212.114

 96, 5.872, 33.107

 96, 5.461, 50.506

Harmonies

Complementary

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



80, 38.211, 213.412



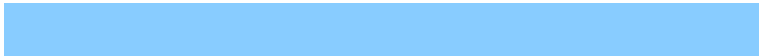
58, 69.151, 36.573

Rectangle

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



80, 38.211, 213.412



80, 38.211, 263.412



80, 38.211, 33.412



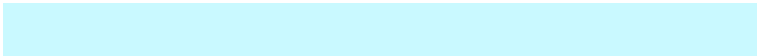
80, 38.211, 83.412

Sweetspot

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



80, 38.210, 213.411



95, 15.780, 210.627



83, 91.124, 140.702



50, 10.579, 210.653



0, 0.000, 0.000



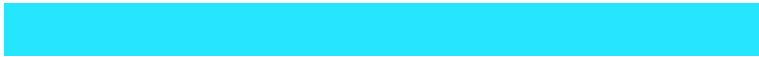
53, 0.007, 296.813

Same Dimension

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



80, 38.210, 213.411



84, 43.204, 215.626



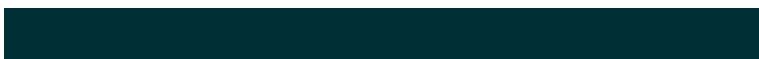
56, 59.398, 282.903



48, 4.132, 210.651



60, 34.073, 218.232



17, 14.755, 214.642

Inverse Universe

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



59, 88.100, 332.072



60, 102.254, 332.905



75, 61.453, 76.970



46, 7.788, 328.415



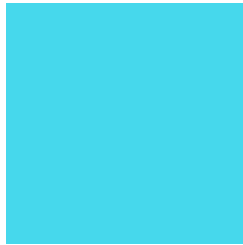
42, 81.359, 333.655



9, 35.319, 332.771

Previews

White Background



This preview shows how the CIE LCh color 80, 38.211, 213.412 looks on a white background.

Color Contrast Check

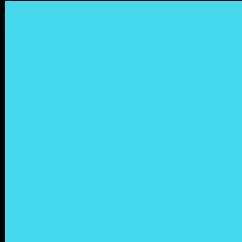
Large Text (above 18pt) WCAG AA × Fail

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 80, 38.211, 213.412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

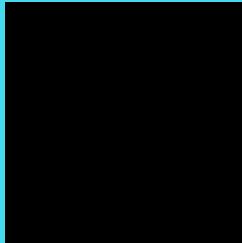
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 38.211, 213.412

Background



This preview shows how black text looks on a background with the CIELCh color 80, 38.211, 213.412.



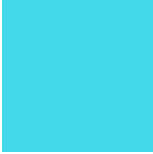
This preview shows how white text looks on a background with the CIELCh color 80, 38.211, 213.412.

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



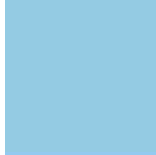


Tritanopia
80, 38.491, 210.727

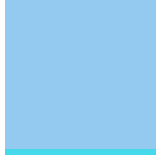
Trichromacy



Original Color
80, 38.088, 213.473



Protanomaly
79, 21.255, 235.792



Deuteranomaly
79, 25.635, 251.467

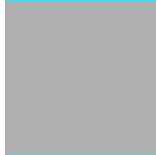


Tritanomaly
80, 38.366, 211.625

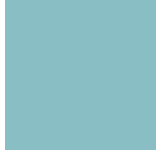
Monochromacy



Original Color
80, 38.088, 213.473



Achromatopsia
71, 0.009, 296.813



Achromatomaly
74, 18.000, 210.369

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 38.211, 213.412 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(70, 216, 236)` looks like.

```
.text, #text, p{  
    color:rgb(70, 216, 236)  
}
```

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(70, 216, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 216, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 38.211, 213.412 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(70, 216, 236) }
```

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

```
.border{ border-color:rgb(70, 216, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 216, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 216, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 216, 236);  
box-shadow:4px 4px 4px 4px rgb(70, 216,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 38.211, 213.412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 216, 236) }
```

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

```
.background{ background-color: rgb(70, 216,  
236) }
```

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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