

Converting Colors

CIELCh(82, 40.305, 212.381)

Have a look what the booklet for
CIELCh(82, 40.305, 212.381)
contains.

CIELCh(82, 40.316, 212.361)	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(82, 40.316, 212.361)

Conversions

Conversions Part 1

Format	Color
Hex	3DDFF3
RGB	61, 223, 243
RGB Percent	24%, 87%, 95%
CMY	0.7601, 0.1251, 0.0467
CMYK	0.75, 0.08, 0.00, 0.05
HSL	187°, 88%, 60%
HSV	187°, 75%, 95%
XYZ	44.5378, 60.2982, 94.1588
YIQ	176.8420, -102.9720, -28.1240

Conversions

Conversions Part 2

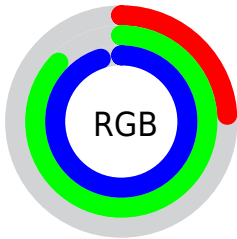
Format	Color
R _Y B	61, 147, 243
Decimal	4055027
CIE Lab	82.00, -34.05, -21.58
CIE LCh	82, 40.316, 212.361
Yxy	60.2982, 0.2238, 0.3030
Android (android.graphics.Color)	4282245107 (0xFF3DDFF3)
YUV	176.8420, 32.6159, -101.5934
Hunter-Lab	77.6519, -33.5108, -17.5373

Details

The CIELCh color **82, 40.316, 212.361** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **57, 76.124, 36.935**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.363, 197.247**, and **63, 35.174, 215.618** is the 20% darker color. If you saturate the color by 10%, you get **81, 41.904, 213.771**, and if you desaturate by 10%, it is **83, 37.719, 211.288**.

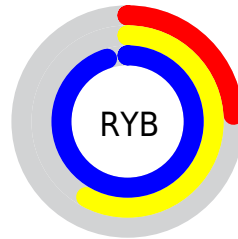
Distribution



Red (24%)

Green (87%)

Blue (95%)



Red (24%)

Yellow (58%)

Blue (95%)

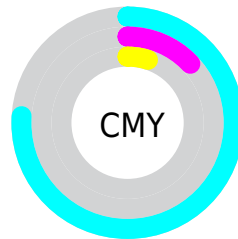


Cyan (75%)

Magenta (8%)

Yellow (0%)

Black (5%)



Cyan (76%)


Magenta (13%)


Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 40.316, 212.361 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 82, 40.316, 212.361 by changing the saturation by 10% instead.


 82, 40.316,
212.361


 82, 40.316,
212.361


 100, 40.316,
212.361


 72, 40.316,
212.361

 62, 40.316,
212.361

 52, 40.316,
212.361

 42, 40.316,
212.361

 32, 40.316,
212.361

 22, 40.316,
212.361

 12, 40.316,

212.361

■ 2, 40.316, 212.361

■ 0, 40.316, 212.361

■ 82, 40.316,
212.361

■ 82, 40.316,
212.361

■ 81, 41.904,
213.771

■ 83, 37.719,
211.288

■ 80, 42.580,
215.558

■ 85, 34.104,
210.512

■ 79, 42.694,
216.596

■ 86, 29.522,
209.984

■ 88, 24.068,
209.663

■ 90, 17.861,

209.515

■ 92, 11.028,
209.514

■ 95, 3.695, 209.714

■ 97, 3.800, 30.130

■ 98, 3.452, 56.010

Harmonies

Complementary

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



82, 40.316, 212.361



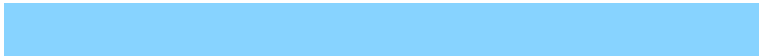
57, 76.124, 36.935

Rectangle

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



82, 40.316, 212.361



82, 40.316, 262.361



82, 40.316, 32.361



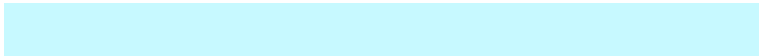
82, 40.316, 82.361

Sweetspot

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



82, 40.315, 212.360



95, 16.608, 209.500



85, 98.190, 139.669



50, 11.052, 209.514



0, 0.000, 0.000



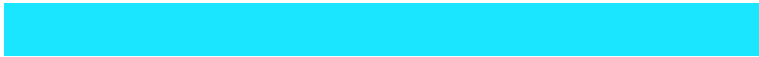
53, 0.007, 296.813

Same Dimension

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



82, 40.315, 212.360



84, 43.935, 214.687



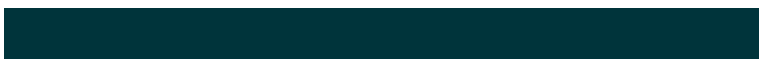
57, 62.929, 283.165



50, 4.313, 209.579



62, 34.986, 216.220



19, 15.721, 213.281

Inverse Universe

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



60, 93.832, 331.914



60, 104.571, 332.726



75, 66.081, 74.720



48, 8.122, 328.106



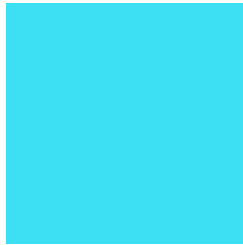
43, 83.690, 333.159



10, 37.635, 332.438

Previews

White Background



This preview shows how the CIE LCh color 82, 40.316, 212.361 looks on a white background.

Color Contrast Check

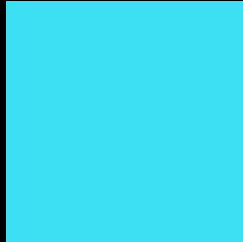
Large Text (above 18pt) WCAG AA × Fail

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 82, 40.316, 212.361 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 82, 40.316, 212.361

Background



This preview shows how black text looks on a background with the CIELCh color 82, 40.316, 212.361.

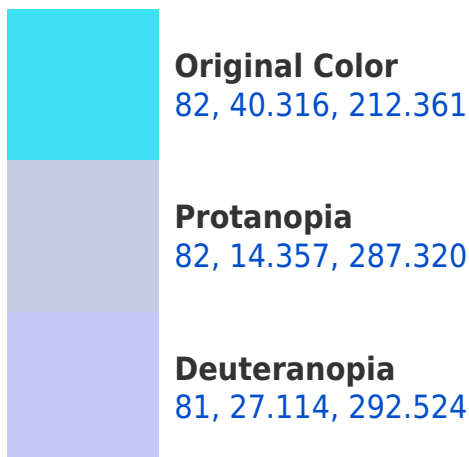


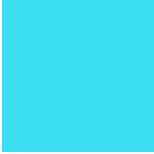
This preview shows how white text looks on a background with the CIELCh color 82, 40.316, 212.361.

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



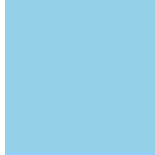


Tritanopia
82, 40.418, 211.513

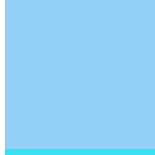
Trichromacy



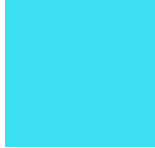
Original Color
82, 40.316, 212.361



Protanomaly
81, 22.563, 233.016



Deuteranomaly
81, 27.139, 250.693

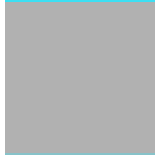


Tritanomaly
82, 40.418, 211.513

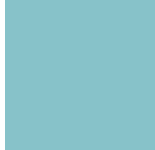
Monochromacy



Original Color
82, 40.316, 212.361



Achromatopsia
72, 0.009, 296.813



Achromatomaly
75, 19.700, 209.155

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 40.316, 212.361 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(61, 223, 243)` looks like.

```
.text, #text, p{  
    color:rgb(61, 223, 243)  
}
```

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(61, 223, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 223, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 40.316, 212.361 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(61, 223, 243) }
```

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

```
.border{ border-color:rgb(61, 223, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 223, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 223, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 223, 243);  
box-shadow:4px 4px 4px 4px rgb(61, 223,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 40.316, 212.361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 223, 243) }
```

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

```
.background{ background-color: rgb(61, 223,  
243) }
```

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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