

Converting Colors

CIELCh(82, 41.808, 222.122)

Have a look what the booklet for
CIELCh(82, 41.808, 222.122)
contains.

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Color

CIELCh(82, 41.756, 222.169)

Conversions

Conversions Part 1

Format	Color
Hex	33DEFF
RGB	51, 222, 255
RGB Percent	20%, 87%, 100%
CMY	0.8020, 0.1284, 0.0000
CMYK	0.80, 0.13, 0.00, 0.00
HSL	190°, 100%, 60%
HSV	190°, 80%, 100%
XYZ	45.6152, 60.2982, 104.0519
YIQ	174.6330, -112.5090, -25.9890

Conversions

Conversions Part 2

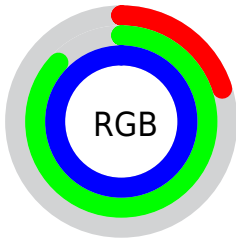
Format	Color
R _Y B	51, 144, 255
Decimal	3399423
CIE Lab	82.00, -30.95, -28.03
CIE LCh	82, 41.756, 222.169
Yxy	60.2982, 0.2173, 0.2872
Android (android.graphics.Color)	4281589503 (0xFF33DEFF)
YUV	174.6330, 39.6209, -108.4261
Hunter-Lab	77.6519, -31.0344, -25.0910

Details

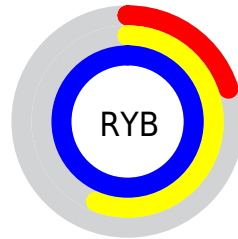
The CIELCh color **82, 41.756, 222.169** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **60, 83.402, 40.405**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.231, 197.196**, and **63, 35.987, 227.345** is the 20% darker color. If you saturate the color by 10%, you get **81, 42.986, 224.543**, and if you desaturate by 10%, it is **84, 39.557, 219.938**.

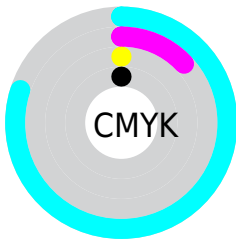
Distribution



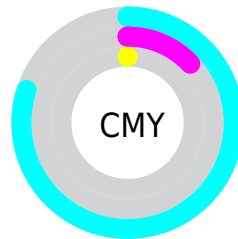
- Red (20%)
- Green (87%)
- Blue (100%)



- Red (20%)
- Yellow (56%)
- Blue (100%)



- Cyan (80%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (13%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 41.756, 222.169 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, 41.756, 222.169 by changing the saturation by 10% instead.


 82, 41.756,
222.169


 82, 41.756,
222.169


 100, 41.756,
222.169


 72, 41.756,
222.169

 62, 41.756,
222.169

 52, 41.756,
222.169

 42, 41.756,
222.169

 32, 41.756,
222.169

 22, 41.756,
222.169

 12, 41.756,

222.169

■ 2, 41.756, 222.169

■ 0, 41.756, 222.169

■ 82, 41.756,
222.169

■ 82, 41.756,
222.169

■ 81, 42.986,
224.543

■ 84, 39.557,
219.938

■ 79, 43.538,
227.554

■ 85, 36.388,
218.364

■ 87, 32.239,
217.182

■ 90, 27.182,
216.323

■ 92, 21.322,

215.727

■ 94, 14.783,
215.344

■ 97, 7.687, 215.153

100, 0.153,
219.284

100, 0.012,
296.813

Harmonies

Complementary

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



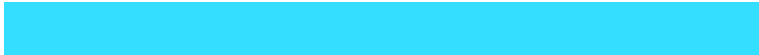
82, 41.756, 222.169



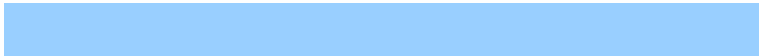
60, 83.402, 40.405

Rectangle

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



82, 41.756, 222.169



82, 41.756, 272.169



82, 41.756, 42.169



82, 41.756, 92.169

Sweetspot

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



82, 41.733, 221.976



93, 17.343, 215.467



88, 103.722, 140.094



49, 11.761, 215.607



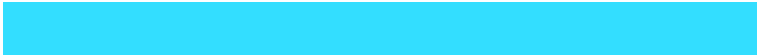
0, 0.000, 0.000



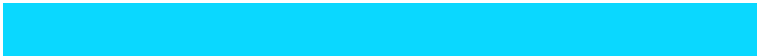
53, 0.007, 296.813

Same Dimension

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



82, 41.733, 221.976



80, 43.353, 226.289



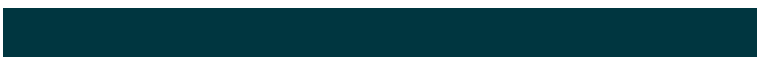
54, 76.446, 289.022



52, 4.295, 215.148



61, 35.069, 226.947



20, 16.183, 222.779

Inverse Universe

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



61, 97.281, 334.427



58, 101.548, 335.665



79, 73.700, 78.126



50, 8.108, 329.727



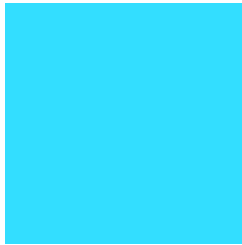
44, 82.115, 335.849



12, 38.342, 334.788

Previews

White Background



This preview shows how the CIELCh color 82, 41.756, 222.169 looks on a white background.

Color Contrast Check

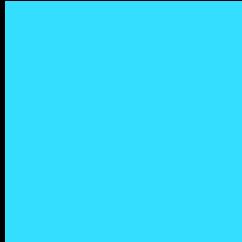
Large Text (above 18pt) WCAG AA × Fail

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, 41.756, 222.169 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, 41.756, 222.169

Background



This preview shows how black text looks on a background with the CIELCh color 82, 41.756, 222.169.

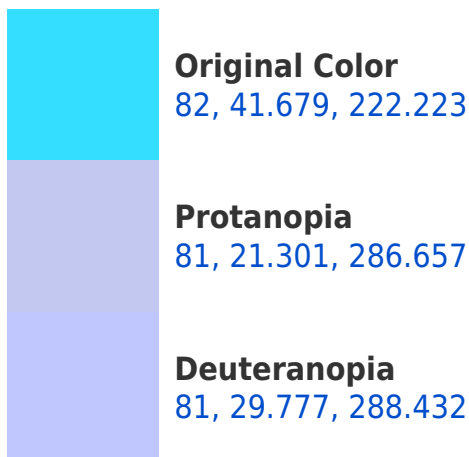


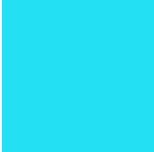
This preview shows how white text looks on a background with the CIELCh color 82, 41.756, 222.169.

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, 42.526, 210.647

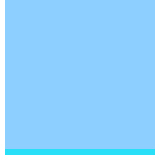
Trichromacy



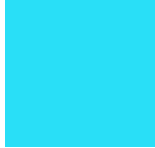
Original Color
82, 41.679, 222.223



Protanomaly
80, 27.283, 245.017



Deuteranomaly
80, 31.215, 254.055

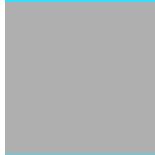


Tritanomaly
82, 42.060, 214.716

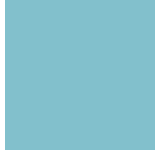
Monochromacy



Original Color
82, 41.679, 222.223



Achromatopsia
71, 0.009, 296.813



Achromatomaly
74, 20.854, 216.294

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 41.756, 222.169 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(51, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 222, 255)  
}
```

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(51, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 222, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 41.756, 222.169 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(51, 222, 255) }
```

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

```
.border{ border-color:rgb(51, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 222,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 41.756, 222.169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 222, 255) }
```

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

```
.background{ background-color: rgb(51, 222,  
255) }
```

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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