

Converting Colors

CIELCh(83, 31.602, 218.313)

Have a look what the booklet for
CIELCh(83, 31.602, 218.313)
contains.

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Color

CIELCh(83, 31.437, 218.454)

Conversions

Conversions Part 1

Format	Color
Hex	75DDF2
RGB	117, 221, 242
RGB Percent	46%, 87%, 95%
CMY	0.5395, 0.1318, 0.0494
CMYK	0.52, 0.09, 0.00, 0.05
HSL	190°, 83%, 71%
HSV	190°, 52%, 95%
XYZ	49.4366, 62.1629, 93.7076
YIQ	192.2980, -68.7250, -15.5170

Conversions

Conversions Part 2

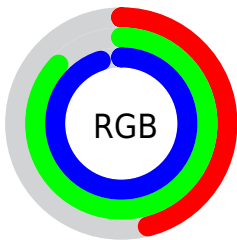
Format	Color
RYB	117, 174, 242
Decimal	7724530
CIELab	83.00, -24.62, -19.55
CIELCh	83, 31.437, 218.454
Yxy	62.1629, 0.2408, 0.3028
Android (android.graphics.Color)	4285914610 (0xFF75DDF2)
YUV	192.2980, 24.5031, -66.0363
Hunter-Lab	78.8435, -26.0526, -15.2773

Details

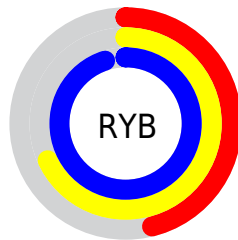
The CIELCh color **83, 31.437, 218.454** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **68, 47.065, 37.313**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 24.830, 197.886**, and **63, 31.459, 218.210** is the 20% darker color. If you saturate the color by 10%, you get **81, 35.309, 219.760**, and if you desaturate by 10%, it is **85, 26.694, 217.488**.

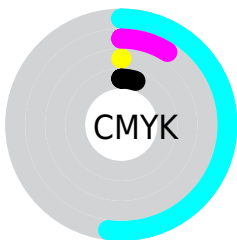
Distribution



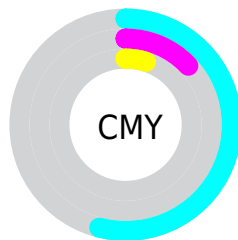
- Red (46%)
- Green (87%)
- Blue (95%)



- Red (46%)
- Yellow (68%)
- Blue (95%)



- Cyan (52%)
- Magenta (9%)
- Yellow (0%)
- Black (5%)





- Cyan (54%)
- Magenta (13%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 31.437, 218.454 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, 31.437, 218.454 by changing the saturation by 10% instead.


 83, 31.437,
218.454


 83, 31.437,
218.454


 100, 31.437,
218.454


 73, 31.437,
218.454

 63, 31.437,
218.454

 53, 31.437,
218.454

 43, 31.437,
218.454

 33, 31.437,
218.454

 23, 31.437,
218.454

 13, 31.437,

218.454

■ 3, 31.437, 218.454

■ 0, 31.437, 218.454

■ 83, 31.437,
218.454

■ 83, 31.437,
218.454

■ 81, 35.309,
219.760

■ 85, 26.694,
217.488

■ 79, 38.251,
221.485

■ 87, 21.179,
216.804

■ 78, 40.260,
223.702

■ 90, 15.006,
216.347

■ 76, 41.416,
226.474

■ 92, 8.292, 216.086

■ 75, 41.916,

■ 95, 1.148, 216.404

229.208

97, 3.686, 47.757

98, 4.205, 84.336

99, 5.874, 106.183

100, 6.380,
109.689

Harmonies

Complementary

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



83, 31.437, 218.454



68, 47.065, 37.313

Rectangle

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



83, 31.437, 218.454



83, 31.437, 268.454



83, 31.437, 38.454



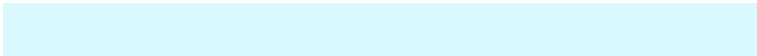
83, 31.437, 88.454

Sweetspot

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



83, 31.436, 218.452



96, 11.102, 216.154



87, 68.903, 144.742



51, 7.526, 216.208



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, 31.436, 218.452



85, 36.904, 219.853



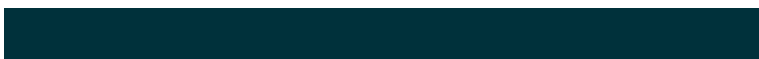
66, 46.930, 280.810



50, 4.132, 216.060



59, 34.375, 228.601



18, 15.310, 223.781

Inverse Universe

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



67, 68.448, 332.750



66, 82.852, 333.477



83, 47.081, 84.213



48, 7.797, 329.989



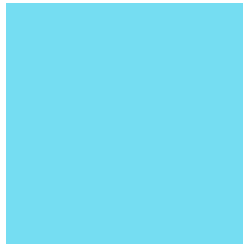
42, 80.014, 336.278



10, 36.186, 335.040

Previews

White Background



This preview shows how the CIE LCh color 83, 31.437, 218.454 looks on a white background.

Color Contrast Check

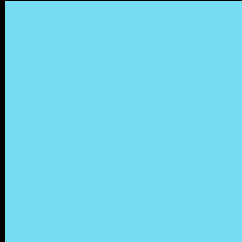
Large Text (above 18pt) WCAG AA × Fail

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, 31.437, 218.454 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, 31.437, 218.454

Background



This preview shows how black text looks on a background with the CIELCh color 83, 31.437, 218.454.

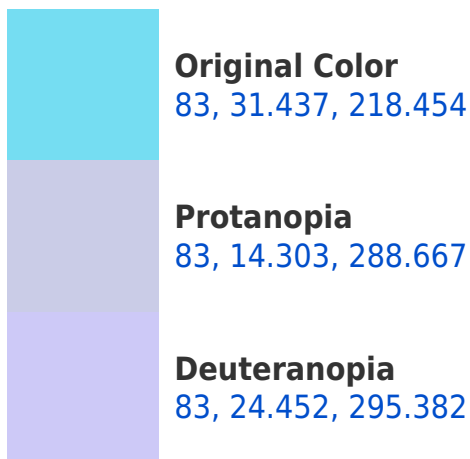


This preview shows how white text looks on a background with the CIELCh color 83, 31.437, 218.454.

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



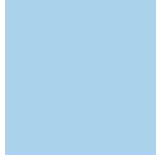


Tritanopia
83, 31.631, 215.171

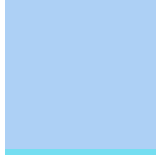
Trichromacy



Original Color
83, 31.437, 218.454



Protanomaly
82, 18.020, 246.376



Deuteranomaly
82, 22.191, 261.580

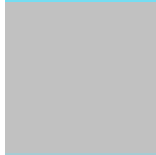


Tritanomaly
83, 31.492, 216.299

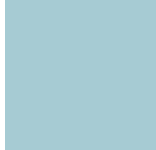
Monochromacy



Original Color
83, 31.437, 218.454



Achromatopsia
78, 0.009, 296.813



Achromatomaly
79, 13.205, 217.530

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 31.437, 218.454 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(117, 221, 242)` looks like.

```
.text, #text, p{  
    color:rgb(117, 221, 242)  
}
```

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(117, 221, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 221, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 31.437, 218.454 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(117, 221, 242) }
```

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

```
.border{ border-color:rgb(117, 221, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 221, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 221, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 221, 242);  
box-shadow:4px 4px 4px 4px rgb(117, 221,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 31.437, 218.454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 221, 242) }
```

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

```
.background{ background-color: rgb(117,  
221, 242) }
```

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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