

Converting Colors

CIELCh(81, 32.509, 214.193)

Have a look what the booklet for
CIELCh(81, 32.509, 214.193)
contains.

CIELCh(81, 32.493, 213.683)	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(81, 32.493, 213.683)

Conversions

Conversions Part 1

Format	Color
Hex	6AD9EA
RGB	106, 217, 234
RGB Percent	42%, 85%, 92%
CMY	0.5854, 0.1500, 0.0833
CMYK	0.55, 0.07, 0.00, 0.08
HSL	188°, 75%, 67%
HSV	188°, 55%, 92%
XYZ	45.4754, 58.4711, 86.5423
YIQ	185.7490, -71.6130, -18.2450

Conversions

Conversions Part 2

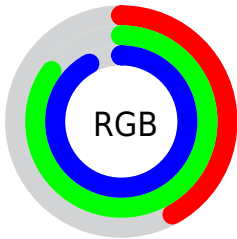
Format	Color
RYB	106, 165, 234
Decimal	7002602
CIELab	81.00, -27.04, -18.02
CIELCh	81, 32.493, 213.683
Yxy	58.4711, 0.2387, 0.3070
Android (android.graphics.Color)	4285192682 (0xFF6AD9EA)
YUV	185.7490, 23.7877, -69.9399
Hunter-Lab	76.4664, -27.6603, -13.5761

Details

The CIELCh color **81, 32.493, 213.683** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **64, 50.260, 34.907**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 27.824, 197.702**, and **61, 32.550, 213.147** is the 20% darker color. If you saturate the color by 10%, you get **79, 35.979, 214.704**, and if you desaturate by 10%, it is **83, 28.096, 212.952**.

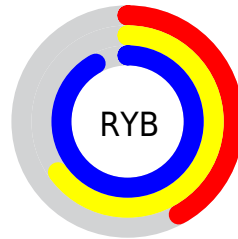
Distribution



Red (42%)

Green (85%)

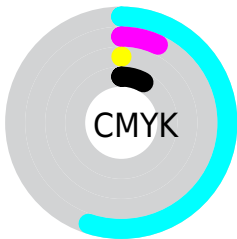
Blue (92%)



Red (42%)

Yellow (65%)

Blue (92%)

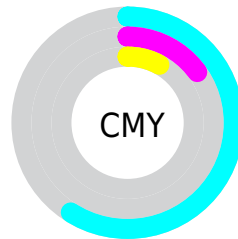


Cyan (55%)

Magenta (7%)

Yellow (0%)

Black (8%)



Cyan (59%)


Magenta (15%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 32.493, 213.683 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 81, 32.493, 213.683 by changing the saturation by 10% instead.


 81, 32.493,
213.683


 81, 32.493,
213.683


 100, 32.493,
213.683


 71, 32.493,
213.683


 61, 32.493,
213.683

 51, 32.493,
213.683

 41, 32.493,
213.683

 31, 32.493,
213.683

 21, 32.493,
213.683

 11, 32.493,

213.683

■ 1, 32.493, 213.683

■ 0, 32.493, 213.683

■ 81, 32.493,
213.683

■ 81, 32.493,
213.683

■ 79, 35.979,
214.704

■ 83, 28.096,
212.952

■ 78, 38.507,
216.076

■ 85, 22.879,
212.464

■ 77, 40.087,
217.855

■ 87, 16.956,
212.174

■ 76, 40.813,
220.086

■ 89, 10.445,
212.052

■ 75, 40.977,

■ 91, 3.464, 212.148

221.394

94, 3.883, 31.879

95, 6.420, 41.763

96, 6.260, 59.191

97, 6.680, 75.880

Harmonies

Complementary

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



81, 32.493, 213.683



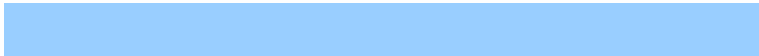
64, 50.260, 34.907

Rectangle

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



81, 32.493, 213.683



81, 32.493, 263.683



81, 32.493, 33.683



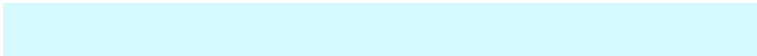
81, 32.493, 83.683

Sweetspot

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



81, 32.492, 213.681



96, 12.097, 212.058



84, 73.185, 142.857



51, 8.115, 212.075



0, 0.000, 0.000



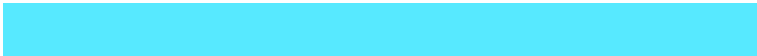
53, 0.007, 296.813

Same Dimension

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



81, 32.492, 213.681



86, 38.912, 214.891



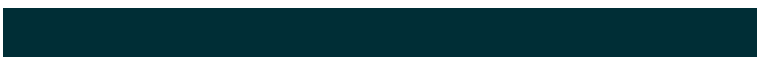
64, 45.217, 277.745



48, 4.091, 212.058



59, 33.870, 220.930



17, 14.646, 216.879

Inverse Universe

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



64, 71.681, 331.627



65, 88.749, 332.327



78, 47.200, 79.453



46, 7.719, 328.824



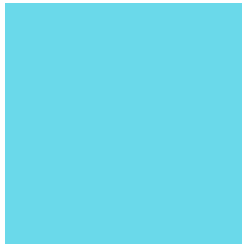
42, 80.552, 334.324



9, 35.018, 333.321

Previews

White Background



This preview shows how the CIE LCh color 81, 32.493, 213.683 looks on a white background.

Color Contrast Check

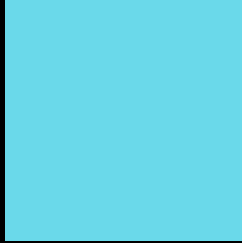
Large Text (above 18pt) WCAG AA × Fail

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 81, 32.493, 213.683 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 81, 32.493, 213.683

Background



This preview shows how black text looks on a background with the CIELCh color 81, 32.493, 213.683.



This preview shows how white text looks on a background with the CIELCh color 81, 32.493, 213.683.

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
81, 32.493, 213.683

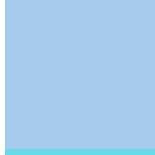
Trichromacy



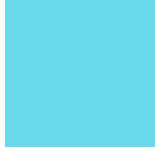
Original Color
81, 32.493, 213.683



Protanomaly
80, 17.191, 239.489



Deuteranomaly
80, 20.843, 256.845

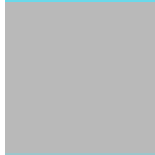


Tritanomaly
81, 32.493, 213.683

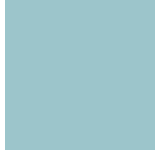
Monochromacy



Original Color
81, 32.493, 213.683



Achromatopsia
75, 0.009, 296.813



Achromatomaly
77, 14.281, 211.542

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 32.493, 213.683 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(106, 217, 234)` looks like.

```
.text, #text, p{  
    color:rgb(106, 217, 234)  
}
```

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(106, 217, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 217, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 32.493, 213.683 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(106, 217, 234) }
```

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

```
.border{ border-color:rgb(106, 217, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 217, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 217, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 217, 234);  
box-shadow:4px 4px 4px 4px rgb(106, 217,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 32.493, 213.683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 217, 234) }
```

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

```
.background{ background-color: rgb(106,  
217, 234) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor