

Converting Colors

CIELCh(81, 24.487, 167.732)

Have a look what the booklet for
CIELCh(81, 24.487, 167.732)
contains.

CIELCh(81, 24.506, 167.730)	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, 24.506, 167.730)

Conversions

Conversions Part 1

Format	Color
Hex	9AD6BF
RGB	154, 214, 191
RGB Percent	60%, 84%, 75%
CMY	0.3976, 0.1623, 0.2525
CMYK	0.28, 0.00, 0.11, 0.16
HSL	157°, 42%, 72%
HSV	157°, 28%, 84%
XYZ	46.5626, 58.4711, 57.9007
YIQ	193.4380, -28.3770, -19.8730

Conversions

Conversions Part 2

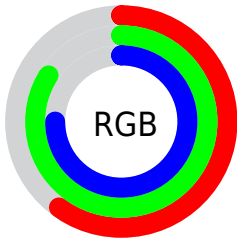
Format	Color
RYB	154, 191, 214
Decimal	10147519
CIELab	81.00, -23.95, 5.21
CIELCh	81, 24.506, 167.730
Yxy	58.4711, 0.2858, 0.3589
Android (android.graphics.Color)	4288337599 (0xFF9AD6BF)
YUV	193.4380, -1.2019, -34.5871
Hunter-Lab	76.4664, -25.1225, 8.6318

Details

The CIELCh color $81, 24.506, 167.730$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $70, 26.011, 353.356$, and the grayscale version is $78, 0.009, 296.813$.

A 20% lighter version of the original color is $97, 15.850, 183.420$, and $61, 24.353, 168.181$ is the 20% darker color. If you saturate the color by 10%, you get $80, 32.744, 166.557$, and if you desaturate by 10%, it is $82, 15.932, 168.795$.

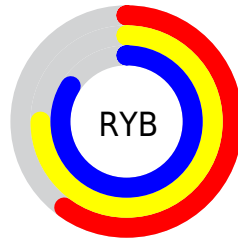
Distribution



Red (60%)

Green (84%)

Blue (75%)



Red (60%)

Yellow (75%)

Blue (84%)

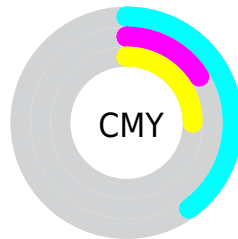


Cyan (28%)

Magenta (0%)

Yellow (11%)

Black (16%)



Cyan (40%)


Magenta (16%)


Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 24.506, 167.730 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, 24.506, 167.730 by changing the saturation by 10% instead.


 81, 24.506,
167.730


 81, 24.506,
167.730


 100, 24.506,
167.730


 71, 24.506,
167.730

 61, 24.506,
167.730

 51, 24.506,
167.730

 41, 24.506,
167.730

 31, 24.506,
167.730

 21, 24.506,
167.730

 11, 24.506,

167.730

■ 1, 24.506, 167.730

■ 0, 24.506, 167.730

■ 81, 24.506,
167.730

■ 81, 24.506,
167.730

■ 80, 32.744,
166.557

■ 82, 15.932,
168.795

■ 79, 40.494,
165.255

■ 84, 7.155, 169.795

■ 78, 47.611,
163.797

■ 86, 1.706, 350.342

■ 77, 53.969,
162.157

■ 88, 10.557,
351.398

■ 76, 59.483,

■ 89, 17.613,
348.879

160.316

90, 20.063,
338.411

76, 64.136,
158.262

90, 23.057,
330.521

76, 68.025,
156.029

90, 25.935,
325.328

76, 68.736,
155.608

Harmonies

Complementary

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



81, 24.506, 167.730



70, 26.011, 353.356

Rectangle

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



81, 24.506, 167.730



81, 24.506, 217.730



81, 24.506, 347.730



81, 24.506, 37.730

Sweetspot

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



81, 24.507, 167.728



98, 8.176, 169.796



82, 34.511, 131.760



52, 5.808, 169.644



0, 0.000, 0.000



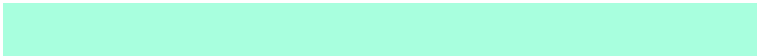
53, 0.007, 296.813

Same Dimension

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



81, 24.507, 167.728



94, 33.961, 167.009



80, 17.880, 210.331



44, 5.033, 169.662



62, 57.793, 155.991



15, 20.821, 160.949

Inverse Universe

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



70, 26.011, 353.356



78, 36.534, 354.186



71, 21.803, 31.198



42, 5.136, 351.265



36, 62.986, 12.948



5, 22.634, 1.661

Previews

White Background



This preview shows how the CIELCh color 81, 24.506, 167.730 looks on a white background.

Color Contrast Check

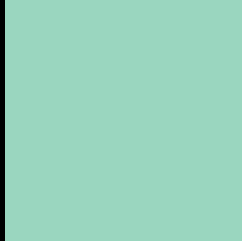
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 81, 24.506, 167.730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

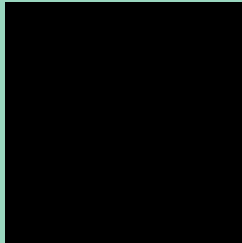
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

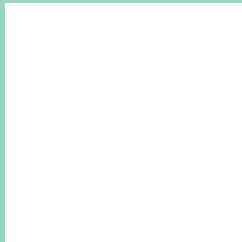
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 24.506, 167.730

Background



This preview shows how black text looks on a background with the CIELCh color 81, 24.506, 167.730.



This preview shows how white text looks on a background with the CIELCh color 81, 24.506, 167.730.

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



Original Color

81, 24.506, 167.730

Protanopia

81, 9.487, 90.667

Deuteranopia

81, 10.535, 17.323



Tritanopia
81, 17.618, 227.476

Trichromacy



Original Color
81, 24.506, 167.730

Protanomaly
81, 11.933, 141.112

Deuteranomaly
80, 4.503, 128.923

Tritanomaly
81, 17.822, 199.878

Monochromacy



Original Color
81, 24.506, 167.730

Achromatopsia
78, 0.009, 296.813

Achromatomaly
79, 8.791, 169.705

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 24.506, 167.730 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(154, 214, 191)` looks like.

```
.text, #text, p{  
    color:rgb(154, 214, 191)  
}
```

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(154, 214, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 214, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 24.506, 167.730 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(154, 214, 191) }
```

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

```
.border{ border-color:rgb(154, 214, 191) }
```

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

Here you see how a box with a 4 pixel rgb(154, 214, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 214, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 214, 191);  
box-shadow:4px 4px 4px 4px rgb(154, 214,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 24.506, 167.730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 214, 191) }
```

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

```
.background{ background-color: rgb(154,  
214, 191) }
```

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