

Converting Colors

CIELCh(80, 21.002, 205.302)

Have a look what the booklet for
CIELCh(80, 21.002, 205.302)
contains.

CIELCh(80, 21.002, 205.302)	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(80, 21.002, 205.302)

Conversions

Conversions Part 1

Format	Color
Hex	91D1D6
RGB	145, 209, 214
RGB Percent	57%, 82%, 84%
CMY	0.4301, 0.1791, 0.1595
CMYK	0.32, 0.02, 0.00, 0.16
HSL	184°, 46%, 71%
HSV	184°, 32%, 84%
XYZ	46.7928, 56.6813, 72.3113
YIQ	190.4340, -39.7490, -12.0130

Conversions

Conversions Part 2

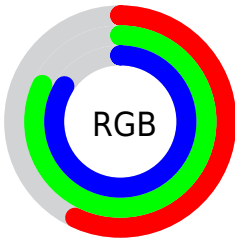
Format	Color
RYB	145, 178, 214
Decimal	9556438
CIELab	80.00, -18.99, -8.98
CIElCh	80, 21.002, 205.302
Yxy	56.6813, 0.2662, 0.3224
Android (android.graphics.Color)	4287746518 (0xFF91D1D6)
YUV	190.4340, 11.6180, -39.8456
Hunter-Lab	75.2870, -20.8098, -4.2457

Details

The CIELCh color **80, 21.002, 205.302** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **68, 26.434, 27.710**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 17.795, 198.327**, and **60, 20.915, 205.440** is the 20% darker color. If you saturate the color by 10%, you get **79, 26.300, 205.313**, and if you desaturate by 10%, it is **82, 15.037, 205.406**.

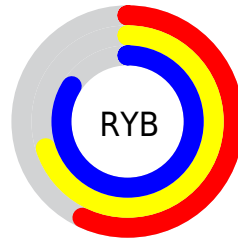
Distribution



Red (57%)

Green (82%)

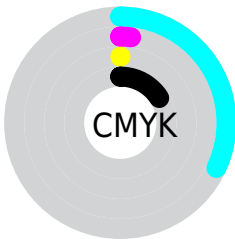
Blue (84%)



Red (57%)

Yellow (70%)

Blue (84%)

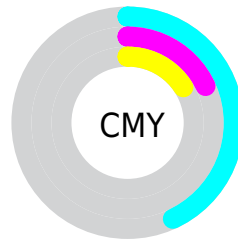


Cyan (32%)

Magenta (2%)

Yellow (0%)

Black (16%)



Cyan (43%)


Magenta (18%)


Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 21.002, 205.302 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 80, 21.002, 205.302 by changing the saturation by 10% instead.


 80, 21.002,
205.302


 80, 21.002,
205.302


 100, 21.002,
205.302


 70, 21.002,
205.302

 60, 21.002,
205.302

 50, 21.002,
205.302

 40, 21.002,
205.302

 30, 21.002,
205.302

 20, 21.002,
205.302

 10, 21.002,

205.302

0, 21.002, 205.302

80, 21.002,
205.302

80, 21.002,
205.302

79, 26.300,
205.313

82, 15.037,
205.406

77, 30.820,
205.472

83, 8.523, 205.627

76, 34.467,
205.798

85, 1.574, 206.198

87, 5.706, 26.050

75, 37.183,
206.318

90, 13.228, 26.481

74, 38.958,
207.057

90, 13.719, 29.629

91, 13.314, 33.354

■ 74, 39.850,
208.036

■ 91, 12.969, 37.295

■ 73, 40.093,
208.942

■ 91, 12.690, 41.429

Harmonies

Complementary

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



80, 21.002, 205.302



68, 26.434, 27.710

Rectangle

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



80, 21.002, 205.302



80, 21.002, 255.302



80, 21.002, 25.302



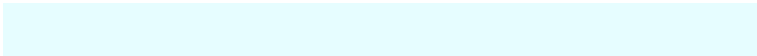
80, 21.002, 75.302

Sweetspot

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



80, 21.002, 205.298



98, 8.092, 205.691



80, 42.639, 143.942



52, 5.500, 205.647



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 21.002, 205.298



92, 28.372, 205.296



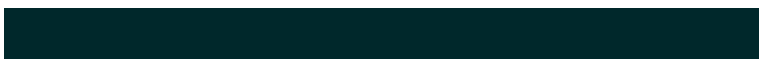
71, 23.098, 267.519



44, 3.994, 205.714



59, 33.898, 208.729



14, 13.483, 206.287

Inverse Universe

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



69, 42.474, 328.283



77, 58.861, 328.687



77, 24.364, 78.069



42, 7.469, 326.963



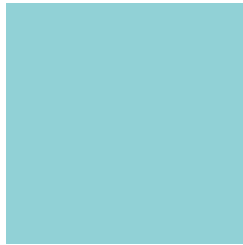
40, 80.904, 331.322



6, 31.261, 330.530

Previews

White Background



This preview shows how the CIELCh color 80, 21.002, 205.302 looks on a white background.

Color Contrast Check

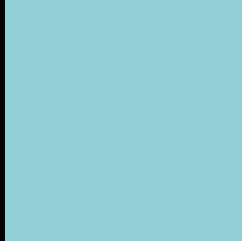
Large Text (above 18pt) WCAG AA × Fail

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 80, 21.002, 205.302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

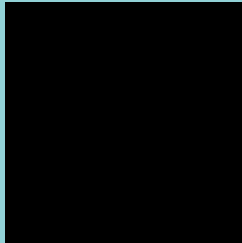
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

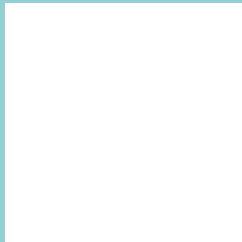
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 21.002, 205.302

Background



This preview shows how black text looks on a background with the CIELCh color 80, 21.002, 205.302.



This preview shows how white text looks on a background with the CIELCh color 80, 21.002, 205.302.

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



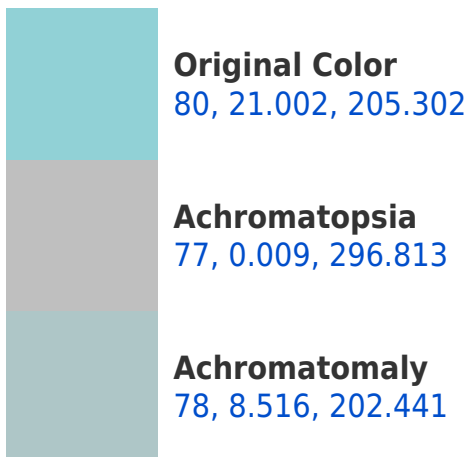


Tritanopia
80, 20.748, 222.618

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 21.002, 205.302 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(145, 209, 214)` looks like.

```
.text, #text, p{  
    color:rgb(145, 209, 214)  
}
```

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(145, 209, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 209, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 21.002, 205.302 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(145, 209, 214) }
```

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

```
.border{ border-color:rgb(145, 209, 214) }
```

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

Here you see how a box with a 4 pixel rgb(145, 209, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 209, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 209, 214);  
box-shadow:4px 4px 4px 4px rgb(145, 209,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 21.002, 205.302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 209, 214) }
```

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

```
.background{ background-color: rgb(145,  
209, 214) }
```

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