

Converting Colors

CIELCh(80, 22.466, 152.222)

Have a look what the booklet for
CIELCh(80, 22.466, 152.222)
contains.

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Color

CIELCh(80, 22.293, 152.220)

Conversions

Conversions Part 1

Format	Color
Hex	A6D0B2
RGB	166, 208, 178
RGB Percent	65%, 82%, 70%
CMY	0.3475, 0.1828, 0.3005
CMYK	0.20, 0.00, 0.14, 0.18
HSL	137°, 31%, 73%
HSV	137°, 20%, 82%
XYZ	46.5315, 56.6813, 50.8080
YIQ	192.0220, -15.4020, -18.2340

Conversions

Conversions Part 2

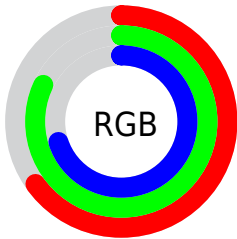
Format	Color
RYB	166, 199, 208
Decimal	10932402
CIELab	80.00, -19.72, 10.39
CIElCh	80, 22.293, 152.220
Yxy	56.6813, 0.3021, 0.3680
Android (android.graphics.Color)	4289122482 (0xFFA6D0B2)
YUV	192.0220, -6.9128, -22.8213
Hunter-Lab	75.2870, -21.4294, 12.6886

Details

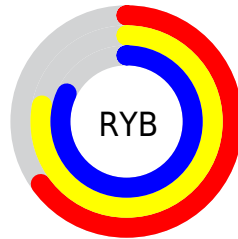
The CIELCh color $80, 22.293, 152.220$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $73, 22.462, 335.092$, and the grayscale version is $78, 0.009, 296.813$.

A 20% lighter version of the original color is $97, 15.876, 156.012$, and $60, 22.230, 152.290$ is the 20% darker color. If you saturate the color by 10%, you get $78, 33.310, 151.294$, and if you desaturate by 10%, it is $82, 11.202, 153.034$.

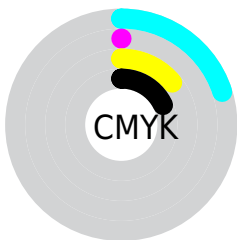
Distribution



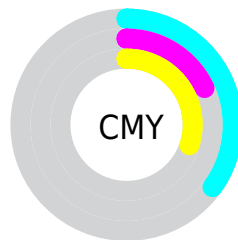
- Red (65%)
- Green (82%)
- Blue (70%)



- Red (65%)
- Yellow (78%)
- Blue (82%)



- Cyan (20%)
- Magenta (0%)
- Yellow (14%)
- Black (18%)





- Cyan (35%)
- Magenta (18%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 22.293, 152.220 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, 22.293, 152.220 by changing the saturation by 10% instead.


 80, 22.293,
152.220


 80, 22.293,
152.220


 100, 22.293,
152.220


 70, 22.293,
152.220

 60, 22.293,
152.220

 50, 22.293,
152.220

 40, 22.293,
152.220

 30, 22.293,
152.220

 20, 22.293,
152.220

 10, 22.293,

152.220

■ 0, 22.293, 152.220

■ 80, 22.293,
152.220

■ 80, 22.293,
152.220

■ 78, 33.310,
151.294

■ 82, 11.202,
153.034

■ 77, 44.076,
150.230

■ 84, 0.169, 155.737

■ 76, 54.394,
149.005

■ 86, 10.699,
334.282

■ 75, 64.048,
147.604

■ 88, 21.329,
334.840

■ 74, 72.827,
146.019

■ 89, 28.306,
326.742

■ 89, 29.217,

■ 74, 80.547,
144.264

325.442

■ 74, 87.074,
142.385

■ 73, 92.339,
140.551

Harmonies

Complementary

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



80, 22.293, 152.220



73, 22.462, 335.092

Rectangle

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



80, 22.293, 152.220



80, 22.293, 202.220



80, 22.293, 332.220



80, 22.293, 22.220

Sweetspot

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



80, 22.295, 152.219



99, 7.771, 153.352



82, 22.555, 119.981



52, 5.157, 153.300



0, 0.000, 0.000



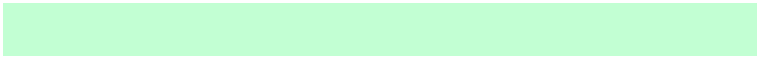
53, 0.007, 296.813

Same Dimension

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



80, 22.295, 152.219



95, 31.263, 151.854



81, 15.619, 180.159



43, 6.269, 153.092



60, 78.199, 140.861



13, 26.300, 147.323

Inverse Universe

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



73, 22.462, 335.092



85, 31.529, 335.400



72, 16.873, 4.030



41, 6.299, 334.311



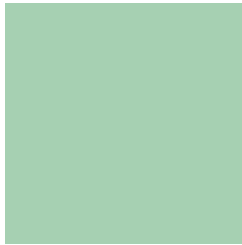
37, 68.342, 343.697



5, 24.967, 340.109

Previews

White Background



This preview shows how the CIELCh color 80, 22.293, 152.220 looks on a white background.

Color Contrast Check

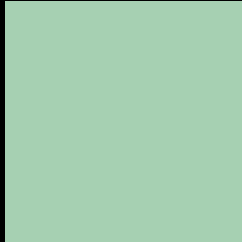
Large Text (above 18pt) WCAG AA × Fail

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, 22.293, 152.220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

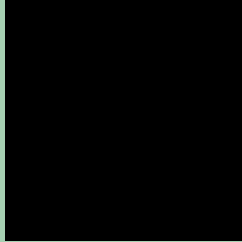
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 22.293, 152.220

Background



This preview shows how black text looks on a background with the CIELCh color 80, 22.293, 152.220.



This preview shows how white text looks on a background with the CIELCh color 80, 22.293, 152.220.

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
80, 22.293, 152.220

Protanopia
80, 13.302, 92.104

Deuteranopia
80, 13.254, 41.276



Tritanopia
80, 12.815, 240.754

Trichromacy



Original Color
80, 22.293, 152.220

Protanomaly
80, 14.218, 122.843

Deuteranomaly
80, 8.695, 96.788

Tritanomaly
80, 11.906, 195.990

Monochromacy



Original Color
80, 22.293, 152.220

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 8.111, 152.504

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 22.293, 152.220 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(166, 208, 178)` looks like.

```
.text, #text, p{  
    color:rgb(166, 208, 178)  
}
```

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(166, 208, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 208, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 22.293, 152.220 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(166, 208, 178) }
```

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

```
.border{ border-color:rgb(166, 208, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 208, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 208, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 208, 178);  
box-shadow:4px 4px 4px 4px rgb(166, 208,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 22.293, 152.220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 208, 178) }
```

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

```
.background{ background-color: rgb(166,  
208, 178) }
```

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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