

Converting Colors

CIELCh(80, 16.067, 252.869)

Have a look what the booklet for
CIELCh(80, 16.067, 252.869)
contains.

CIELCh(80, 16.357, 253.826)	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, 16.357, 253.826)

Conversions

Conversions Part 1

Format	Color
Hex	ACCAE3
RGB	172, 202, 227
RGB Percent	67%, 79%, 89%
CMY	0.3247, 0.2071, 0.1090
CMYK	0.24, 0.11, 0.00, 0.11
HSL	207°, 50%, 78%
HSV	207°, 24%, 89%
XYZ	52.1138, 56.6813, 81.0098
YIQ	195.8800, -25.9050, 1.4150

Conversions

Conversions Part 2

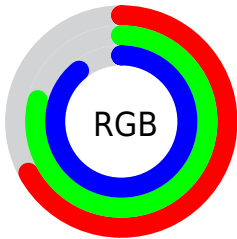
Format	Color
R_{YB}	172, 191, 227
Decimal	11324131
CIE _{Lab}	80.00, -4.56, -15.71
CIE _{LCh}	80, 16.357, 253.826
Yxy	56.6813, 0.2746, 0.2986
Android (android.graphics.Color)	4289514211 (0xFFACCAE3)
YUV	195.8800, 15.3422, -20.9428
Hunter-Lab	75.2870, -8.1943, -11.0960

Details

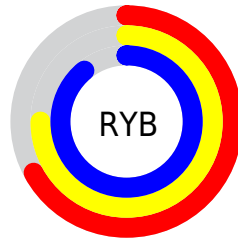
The CIELCh color $80, 16.357, 253.826$ is a light color, and the websafe version is hex $99CCFF$. A complement of this color would be $81, 17.799, 67.514$, and the grayscale version is $79, 0.010, 296.813$.

A 20% lighter version of the original color is $98, 9.184, 198.897$, and $60, 16.459, 254.740$ is the 20% darker color. If you saturate the color by 10%, you get $76, 22.833, 255.753$, and if you desaturate by 10%, it is $84, 9.700, 252.227$.

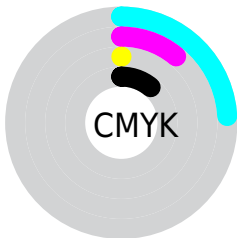
Distribution



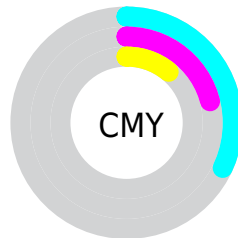
- Red (67%)
- Green (79%)
- Blue (89%)



- Red (67%)
- Yellow (75%)
- Blue (89%)



- Cyan (24%)
- Magenta (11%)
- Yellow (0%)
- Black (11%)





- Cyan (32%)
- Magenta (21%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 16.357, 253.826 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, 16.357, 253.826 by changing the saturation by 10% instead.


 80, 16.357,
253.826


 80, 16.357,
253.826


 100, 16.357,
253.826


 70, 16.357,
253.826


 60, 16.357,
253.826

 50, 16.357,
253.826

 40, 16.357,
253.826

 30, 16.357,
253.826

 20, 16.357,
253.826

 10, 16.357,

253.826

0, 16.357, 253.826

80, 16.357,
253.826

80, 16.357,
253.826

76, 22.833,
255.753

84, 9.700, 252.227

72, 29.096,
258.082

88, 2.902, 250.988

93, 3.999, 69.593

68, 35.128,
260.875

97, 9.296, 82.738

64, 40.938,
264.190

99, 13.492,
107.349

60, 46.574,
268.053

99, 14.068,
109.114

■ 57, 52.134,
272.425

■ 54, 57.752,
277.172

■ 52, 61.107,
279.921

Harmonies

Complementary

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



80, 16.357, 253.826



81, 17.799, 67.514

Rectangle

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



80, 16.357, 253.826



80, 16.357, 303.826



80, 16.357, 73.826



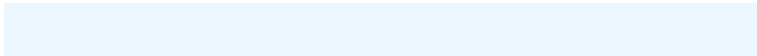
80, 16.357, 123.826

Sweetspot

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



80, 16.356, 253.821



97, 5.283, 251.284



86, 25.314, 158.948



51, 3.431, 251.356



0, 0.000, 0.000



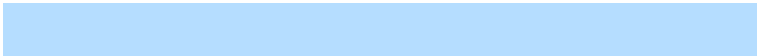
53, 0.007, 296.813

Same Dimension

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



80, 16.356, 253.821



86, 21.391, 254.737



73, 28.409, 291.047



46, 3.926, 251.580



41, 50.275, 279.101



9, 18.306, 270.011

Inverse Universe

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



76, 25.838, 343.350



82, 34.050, 343.850



88, 26.988, 105.647



45, 6.037, 341.997



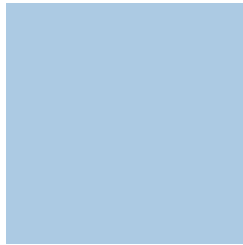
39, 65.548, 357.647



7, 28.115, 351.572

Previews

White Background



This preview shows how the CIELCh color 80, 16.357, 253.826 looks on a white background.

Color Contrast Check

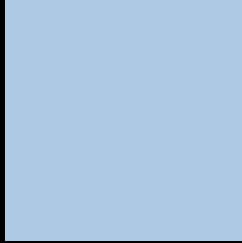
Large Text (above 18pt) WCAG AA × Fail

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 80, 16.357, 253.826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

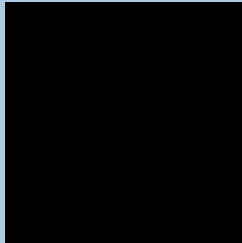
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

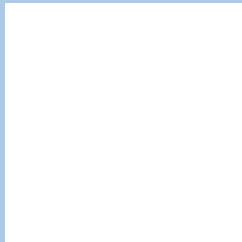
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 16.357, 253.826

Background



This preview shows how black text looks on a background with the CIELCh color 80, 16.357, 253.826.



This preview shows how white text looks on a background with the CIELCh color 80, 16.357, 253.826.

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](#).

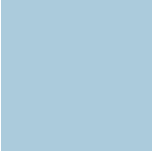
Dichromacy



Original Color
80, 16.357, 253.826

Protanopia
80, 14.942, 288.869

Deuteranopia
80, 19.530, 300.982



Tritanopia
80, 13.855, 239.851

Trichromacy



Original Color
80, 16.357, 253.826

Protanomaly
80, 14.861, 275.521

Deuteranomaly
80, 17.121, 286.003

Tritanomaly
80, 14.851, 244.948

Monochromacy



Original Color
80, 16.357, 253.826

Achromatopsia
79, 0.010, 296.813

Achromatomaly
79, 6.124, 251.070

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 16.357, 253.826 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(172, 202, 227)` looks like.

```
.text, #text, p{  
    color:rgb(172, 202, 227)  
}
```

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(172, 202, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 202, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 16.357, 253.826 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(172, 202, 227) }
```

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

```
.border{ border-color:rgb(172, 202, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 202, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 202, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 202, 227);  
box-shadow:4px 4px 4px 4px rgb(172, 202,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 16.357, 253.826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 202, 227) }
```

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

```
.background{ background-color: rgb(172,  
202, 227) }
```

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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