

Converting Colors

CIELCh(80, 24.836, 227.899)

Have a look what the booklet for
CIELCh(80, 24.836, 227.899)
contains.

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Color

CIELCh(80, 24.834, 227.875)

Conversions

Conversions Part 1

Format	Color
Hex	89D1E8
RGB	137, 209, 232
RGB Percent	54%, 82%, 91%
CMY	0.4631, 0.1808, 0.0906
CMYK	0.41, 0.10, 0.00, 0.09
HSL	195°, 67%, 72%
HSV	195°, 41%, 91%
XYZ	47.6261, 56.6813, 84.6977
YIQ	190.0940, -50.2950, -8.1110

Conversions

Conversions Part 2

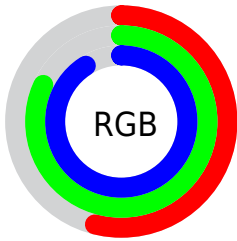
Format	Color
RYB	137, 178, 232
Decimal	9032168
CIELab	80.00, -16.66, -18.42
CIELCh	80, 24.834, 227.875
Yxy	56.6813, 0.2520, 0.2999
Android (android.graphics.Color)	4287222248 (0xFF89D1E8)
YUV	190.0940, 20.6597, -46.5634
Hunter-Lab	75.2870, -18.8341, -14.0003

Details

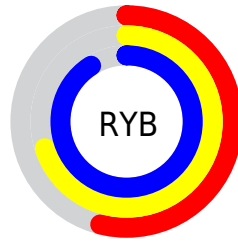
The CIELCh color **80, 24.834, 227.875** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **72, 33.108, 43.494**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 19.913, 198.193**, and **60, 24.736, 228.217** is the 20% darker color. If you saturate the color by 10%, you get **77, 29.517, 229.460**, and if you desaturate by 10%, it is **83, 19.512, 226.658**.

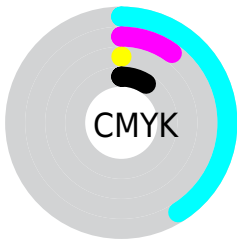
Distribution



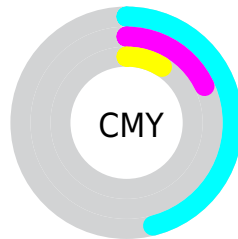
- Red (54%)
- Green (82%)
- Blue (91%)



- Red (54%)
- Yellow (70%)
- Blue (91%)



- Cyan (41%)
- Magenta (10%)
- Yellow (0%)
- Black (9%)





- Cyan (46%)
- Magenta (18%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 24.834, 227.875 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, 24.834, 227.875 by changing the saturation by 10% instead.


 80, 24.834,
227.875


 80, 24.834,
227.875


 100, 24.834,
227.875


 70, 24.834,
227.875

 60, 24.834,
227.875

 50, 24.834,
227.875

 40, 24.834,
227.875

 30, 24.834,
227.875

 20, 24.834,
227.875

 10, 24.834,

227.875

0, 24.834, 227.875

80, 24.834,
227.875

80, 24.834,
227.875

77, 29.517,
229.460

83, 19.512,
226.658

75, 33.488,
231.507

86, 13.647,
225.744

73, 36.705,
234.107

89, 7.333, 225.088

71, 39.188,
237.347

92, 0.663, 225.390

69, 41.038,
241.281

95, 6.284, 44.032

96, 7.045, 70.125

■ 67, 42.377,
245.329

■ 98, 8.629, 92.969

■ 99, 11.105,
107.117

■ 99, 11.693,
109.293

Harmonies

Complementary

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



80, 24.834, 227.875



72, 33.108, 43.494

Rectangle

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



80, 24.834, 227.875



80, 24.834, 277.875



80, 24.834, 47.875



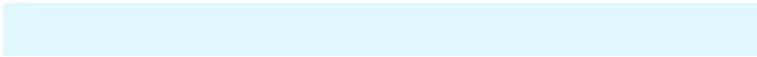
80, 24.834, 97.875

Sweetspot

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



80, 24.833, 227.872



96, 8.644, 225.147



85, 50.978, 148.225



51, 5.714, 225.223



0, 0.000, 0.000



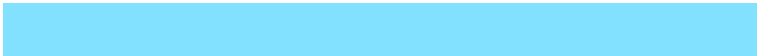
53, 0.007, 296.813

Same Dimension

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



80, 24.833, 227.872



85, 30.907, 229.159



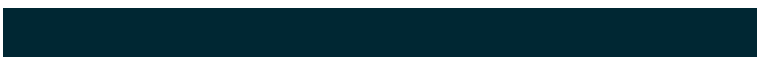
67, 38.854, 282.805



47, 3.780, 225.013



53, 34.692, 244.468



14, 14.139, 236.497

Inverse Universe

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



69, 50.915, 334.902



71, 64.871, 335.561



84, 37.849, 90.929



45, 7.016, 332.626



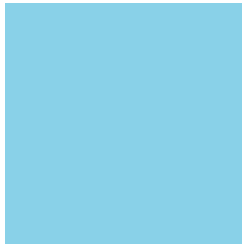
40, 73.476, 340.790



8, 31.653, 338.418

Previews

White Background



This preview shows how the CIELCh color 80, 24.834, 227.875 looks on a white background.

Color Contrast Check

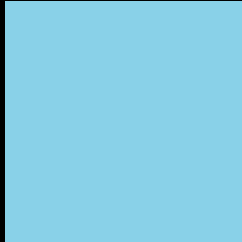
Large Text (above 18pt) WCAG AA × Fail

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, 24.834, 227.875 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, 24.834, 227.875

Background



This preview shows how black text looks on a background with the CIELCh color 80, 24.834, 227.875.



This preview shows how white text looks on a background with the CIELCh color 80, 24.834, 227.875.

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, 24.834, 227.875

Protanopia

80, 14.424, 287.355

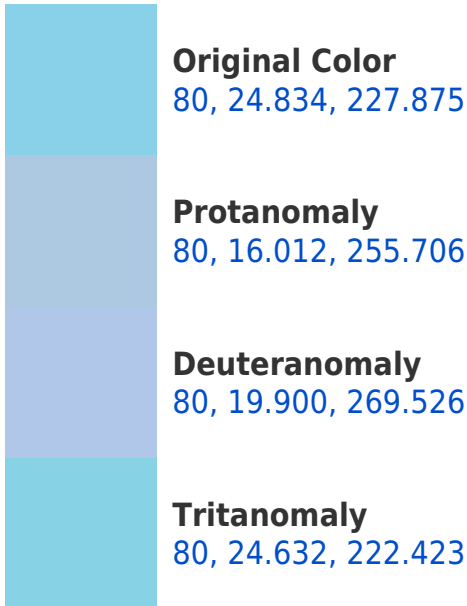
Deuteranopia

80, 22.535, 296.449

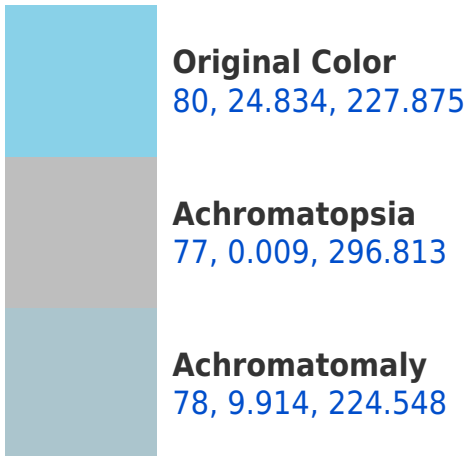


Tritanopia
80, 24.613, 219.686

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 24.834, 227.875 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(137, 209, 232)` looks like.

```
.text, #text, p{  
    color:rgb(137, 209, 232)  
}
```

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(137, 209, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 209, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 24.834, 227.875 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(137, 209, 232) }
```

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

```
.border{ border-color:rgb(137, 209, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 209, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 209, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 209, 232);  
box-shadow:4px 4px 4px 4px rgb(137, 209,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 24.834, 227.875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 209, 232) }
```

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

```
.background{ background-color: rgb(137,  
209, 232) }
```

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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