

Converting Colors

CIELCh(80, 25.470, 228.465)

Have a look what the booklet for
CIELCh(80, 25.470, 228.465)
contains.

CIELCh(80, 25.468, 228.440)	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, 25.468, 228.440)

Conversions

Conversions Part 1

Format	Color
Hex	87D1E9
RGB	135, 209, 233
RGB Percent	53%, 82%, 91%
CMY	0.4703, 0.1801, 0.0860
CMYK	0.42, 0.10, 0.00, 0.09
HSL	195°, 69%, 72%
HSV	195°, 42%, 91%
XYZ	47.5405, 56.6813, 85.5818
YIQ	189.6100, -51.8080, -8.2240

Conversions

Conversions Part 2

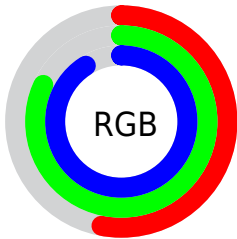
Format	Color
RYB	135, 177, 233
Decimal	8901097
CIELab	80.00, -16.90, -19.06
CIELCh	80, 25.468, 228.440
Yxy	56.6813, 0.2505, 0.2986
Android (android.graphics.Color)	4287091177 (0xFF87D1E9)
YUV	189.6100, 21.3913, -47.8930
Hunter-Lab	75.2870, -19.0372, -14.6965

Details

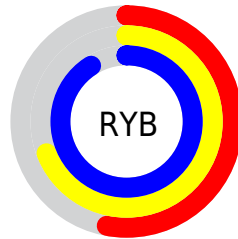
The CIELCh color **80, 25.468, 228.440** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **72, 34.227, 43.774**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 20.509, 198.155**, and **60, 25.487, 228.692** is the 20% darker color. If you saturate the color by 10%, you get **77, 30.103, 230.096**, and if you desaturate by 10%, it is **83, 20.186, 227.165**.

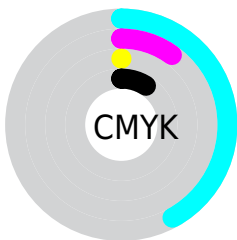
Distribution



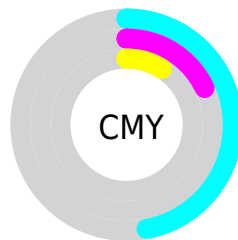
- Red (53%)
- Green (82%)
- Blue (91%)



- Red (53%)
- Yellow (69%)
- Blue (91%)



- Cyan (42%)
- Magenta (10%)
- Yellow (0%)
- Black (9%)



- Cyan (47%)
- Magenta (18%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 25.468, 228.440 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, 25.468, 228.440 by changing the saturation by 10% instead.

■ 80, 25.468,
228.440

■ 80, 25.468,
228.440

■ 100, 25.468,
228.440

■ 70, 25.468,
228.440

■ 60, 25.468,
228.440

■ 50, 25.468,
228.440

■ 40, 25.468,
228.440

■ 30, 25.468,
228.440

■ 20, 25.468,
228.440

■ 10, 25.468,

228.440

0, 25.468, 228.440

80, 25.468,
228.440

80, 25.468,
228.440

77, 30.103,
230.096

83, 20.186,
227.165

75, 34.021,
232.227

86, 14.352,
226.204

73, 37.188,
234.926

89, 8.060, 225.504

71, 39.632,
238.277

92, 1.403, 225.310

95, 5.538, 44.384

69, 41.465,
242.327

97, 6.695, 70.725

67, 42.674,
245.940

98, 8.375, 94.643

99, 10.967,
108.857

99, 11.097,
109.338

Harmonies

Complementary

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



80, 25.468, 228.440



72, 34.227, 43.774

Rectangle

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



80, 25.468, 228.440



80, 25.468, 278.440



80, 25.468, 48.440



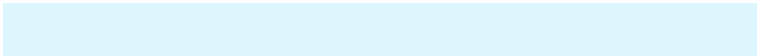
80, 25.468, 98.440

Sweetspot

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



80, 25.467, 228.438



96, 9.332, 225.563



85, 52.483, 148.100



50, 6.493, 225.703



0, 0.000, 0.000



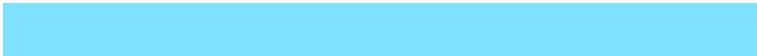
53, 0.007, 296.813

Same Dimension

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



80, 25.467, 228.438



84, 31.383, 229.765



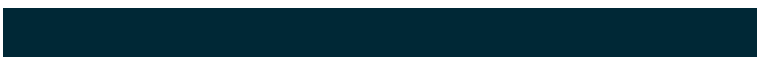
67, 40.101, 283.049



48, 3.846, 225.367



53, 35.170, 245.110



14, 14.619, 237.481

Inverse Universe

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



69, 52.300, 335.104



71, 65.924, 335.764



84, 39.015, 90.783



46, 7.129, 332.734



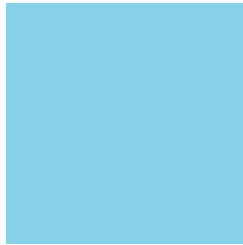
41, 74.093, 340.994



8, 32.557, 338.697

Previews

White Background



This preview shows how the CIE LCh color 80, 25.468, 228.440 looks on a white background.

Color Contrast Check

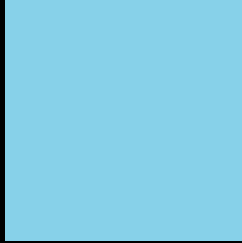
Large Text (above 18pt) WCAG AA × Fail

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, 25.468, 228.440 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, 25.468, 228.440

Background



This preview shows how black text looks on a background with the CIELCh color 80, 25.468, 228.440.



This preview shows how white text looks on a background with the CIELCh color 80, 25.468, 228.440.

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, 25.092, 219.222

Trichromacy



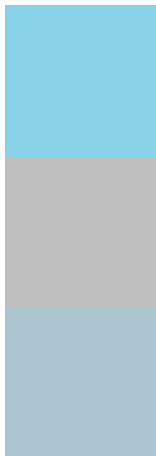
Original Color
80, 25.468, 228.440

Protanomaly
80, 16.605, 255.964

Deuteranomaly
80, 21.085, 269.202

Tritanomaly
80, 25.102, 221.910

Monochromacy



Original Color
80, 25.468, 228.440

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 10.417, 226.505

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 25.468, 228.440 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(135, 209, 233)` looks like.

```
.text, #text, p{  
    color:rgb(135, 209, 233)  
}
```

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(135, 209, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 209, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 25.468, 228.440 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(135, 209, 233) }
```

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

```
.border{ border-color:rgb(135, 209, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 209, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 209, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 209, 233);  
box-shadow:4px 4px 4px 4px rgb(135, 209,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 25.468, 228.440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 209, 233) }
```

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

```
.background{ background-color: rgb(135,  
209, 233) }
```

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