

Converting Colors

CIELCh(77, 25.898, 232.433)

Have a look what the booklet for
CIELCh(77, 25.898, 232.433)
contains.

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Color

CIELCh(77, 25.898, 232.433)

Conversions

Conversions Part 1

Format	Color
Hex	7FC8E3
RGB	127, 200, 227
RGB Percent	50%, 78%, 89%
CMY	0.5008, 0.2146, 0.1087
CMYK	0.44, 0.12, 0.00, 0.11
HSL	196°, 64%, 70%
HSV	196°, 44%, 89%
XYZ	43.4166, 51.5317, 80.5358
YIQ	181.2510, -52.1750, -7.0790

Conversions

Conversions Part 2

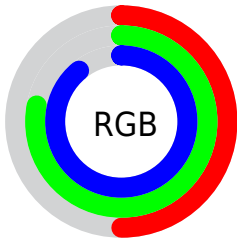
Format	Color
R_{YB}	127, 169, 227
Decimal	8374499
CIE _{Lab}	77.00, -15.79, -20.53
CIE _{LCh}	77, 25.898, 232.433
Yxy	51.5317, 0.2474, 0.2937
Android (android.graphics.Color)	4286564579 (0xFF7FC8E3)
YUV	181.2510, 22.5543, -47.5781
Hunter-Lab	71.7856, -17.6665, -16.2671

Details

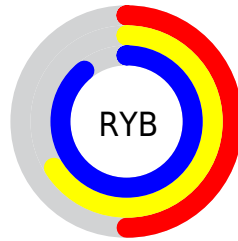
The CIELCh color **77, 25.898, 232.433** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **70, 34.963, 46.231**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 22.846, 198.009**, and **57, 25.989, 232.931** is the 20% darker color. If you saturate the color by 10%, you get **74, 30.404, 234.379**, and if you desaturate by 10%, it is **80, 20.786, 230.911**.

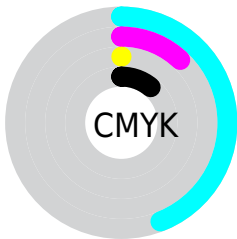
Distribution



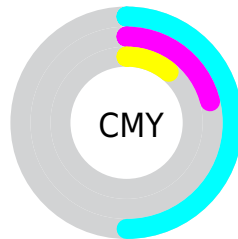
- Red (50%)
- Green (78%)
- Blue (89%)



- Red (50%)
- Yellow (66%)
- Blue (89%)



- Cyan (44%)
- Magenta (12%)
- Yellow (0%)
- Black (11%)



- Cyan (50%)
- Magenta (21%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 25.898, 232.433 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 77, 25.898, 232.433 by changing the saturation by 10% instead.


 77, 25.898,
232.433

 77, 25.898,
232.433


 100, 25.898,
232.433


 67, 25.898,
232.433


 97, 25.898,
232.433

 57, 25.898,
232.433

 47, 25.898,
232.433

 37, 25.898,
232.433

 27, 25.898,
232.433

 17, 25.898,
232.433

 7, 25.898, 232.433

0, 25.898, 232.433

77, 25.898,
232.433

77, 25.898,
232.433

74, 30.404,
234.379

80, 20.786,
230.911

72, 34.250,
236.846

83, 15.151,
229.738

69, 37.422,
239.927

86, 9.078, 228.850

67, 39.972,
243.692

89, 2.653, 228.304

65, 42.037,
248.155

92, 4.047, 47.415

64, 43.182,
251.043

95, 8.224, 57.288

96, 9.183, 81.727

■ 98, 11.399, 98.973

■ 99, 14.025,
109.118

Harmonies

Complementary

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



77, 25.898, 232.433



70, 34.963, 46.231

Rectangle

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



77, 25.898, 232.433



77, 25.898, 282.433



77, 25.898, 52.433



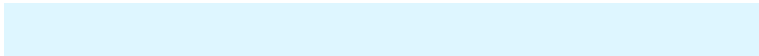
77, 25.898, 102.433

Sweetspot

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



77, 25.897, 232.431



95, 9.276, 228.783



83, 52.356, 149.057



50, 6.456, 228.951



0, 0.000, 0.000



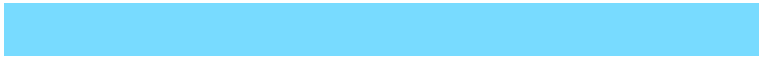
53, 0.007, 296.813

Same Dimension

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



77, 25.897, 232.431



83, 32.864, 234.235



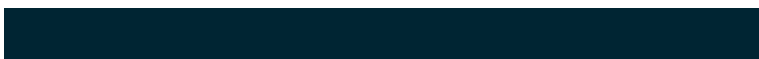
63, 43.041, 285.541



47, 3.753, 228.539



51, 35.839, 250.191



13, 14.375, 241.590

Inverse Universe

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



66, 52.584, 336.324



69, 68.224, 337.137



82, 41.138, 92.917



45, 6.877, 333.700



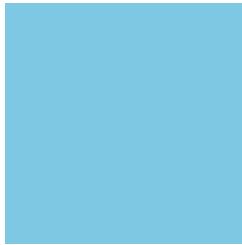
40, 72.069, 342.687



8, 31.099, 339.905

Previews

White Background



This preview shows how the CIELCh color 77, 25.898, 232.433 looks on a white background.

Color Contrast Check

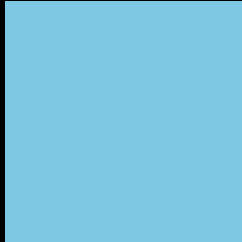
Large Text (above 18pt) WCAG AA × Fail

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 77, 25.898, 232.433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

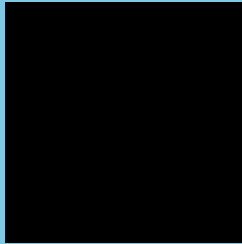
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 25.898, 232.433

Background



This preview shows how black text looks on a background with the CIELCh color 77, 25.898, 232.433.



This preview shows how white text looks on a background with the CIELCh color 77, 25.898, 232.433.

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
77, 24.987, 218.107

Trichromacy



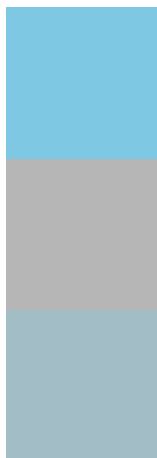
Original Color
77, 25.898, 232.433

Protanomaly
77, 18.455, 260.412

Deuteranomaly
77, 22.308, 269.869

Tritanomaly
77, 25.019, 223.569

Monochromacy



Original Color
77, 25.898, 232.433

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 10.476, 226.554

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 25.898, 232.433 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(127, 200, 227)` looks like.

```
.text, #text, p{  
    color:rgb(127, 200, 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(127, 200, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 200, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 25.898, 232.433 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(127, 200, 227) }
```

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

```
.border{ border-color:rgb(127, 200, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 200, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 200, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 200, 227);  
box-shadow:4px 4px 4px 4px rgb(127, 200,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 25.898, 232.433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 200, 227) }
```

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

```
.background{ background-color: rgb(127,  
200, 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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