

Converting Colors

CIELCh(77, 24.034, 235.495)

Have a look what the booklet for
CIELCh(77, 24.034, 235.495)
contains.

CIELCh(77, 24.023, 235.683)	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(77, 24.023, 235.683)

Conversions

Conversions Part 1

Format	Color
Hex	87C7E2
RGB	135, 199, 226
RGB Percent	53%, 78%, 89%
CMY	0.4703, 0.2193, 0.1134
CMYK	0.40, 0.12, 0.00, 0.11
HSL	198°, 61%, 71%
HSV	198°, 40%, 89%
XYZ	44.1808, 51.5317, 79.6223
YIQ	182.9420, -46.8110, -5.1710

Conversions

Conversions Part 2

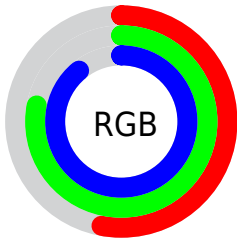
Format	Color
RYB	135, 173, 226
Decimal	8898530
CIELab	77.00, -13.54, -19.84
CIElCh	77, 24.023, 235.683
Yxy	51.5317, 0.2520, 0.2939
Android (android.graphics.Color)	4287088610 (0xFF87C7E2)
YUV	182.9420, 21.2276, -42.0451
Hunter-Lab	71.7856, -15.7662, -15.5126

Details

The CIELCh color **77, 24.023, 235.683** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **72, 31.067, 49.004**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 20.805, 198.137**, and **57, 24.063, 236.411** is the 20% darker color. If you saturate the color by 10%, you get **74, 28.856, 237.650**, and if you desaturate by 10%, it is **80, 18.660, 234.129**.

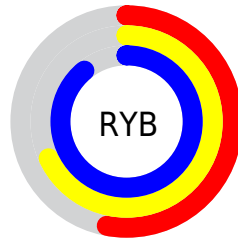
Distribution



Red (53%)

Green (78%)

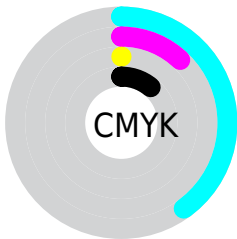
Blue (89%)



Red (53%)

Yellow (68%)

Blue (89%)

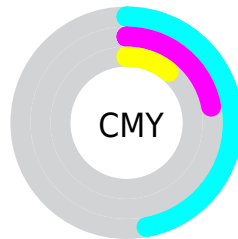


Cyan (40%)

Magenta (12%)

Yellow (0%)

Black (11%)



Cyan (47%)

Magenta (22%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 24.023, 235.683 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, 24.023, 235.683 by changing the saturation by 10% instead.

■ 77, 24.023,
235.683

■ 77, 24.023,
235.683

■ 100, 24.023,
235.683

■ 67, 24.023,
235.683

■ 97, 24.023,
235.683

■ 57, 24.023,
235.683

■ 47, 24.023,
235.683

■ 37, 24.023,
235.683

■ 27, 24.023,
235.683

■ 17, 24.023,
235.683

■ 7, 24.023, 235.683

0, 24.023, 235.683

77, 24.023,
235.683

77, 24.023,
235.683

74, 28.856,
237.650

80, 18.660,
234.129

71, 33.103,
240.126

83, 12.845,
232.918

69, 36.742,
243.203

86, 6.656, 231.998

66, 39.809,
246.954

90, 0.171, 234.417

64, 42.418,
251.398

93, 6.545, 50.489

62, 44.749,
256.224

95, 8.856, 69.356

97, 10.660, 91.501

■ 99, 13.532,
105.654

■ 99, 14.635,
109.072

Harmonies

Complementary

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



77, 24.023, 235.683



72, 31.067, 49.004

Rectangle

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



77, 24.023, 235.683



77, 24.023, 285.683



77, 24.023, 55.683



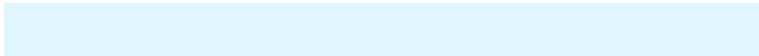
77, 24.023, 105.683

Sweetspot

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



77, 24.022, 235.681



96, 8.557, 232.144



83, 47.266, 150.112



50, 5.659, 232.256



0, 0.000, 0.000



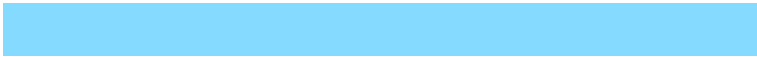
53, 0.007, 296.813

Same Dimension

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



77, 24.022, 235.681



83, 30.631, 237.233



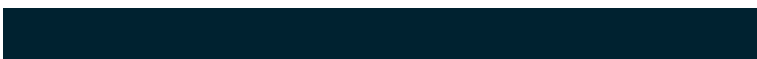
65, 39.817, 285.698



45, 3.671, 231.937



49, 36.820, 255.302



12, 14.190, 245.740

Inverse Universe

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



68, 47.283, 337.175



72, 61.424, 337.897



83, 38.036, 94.532



44, 6.624, 334.765



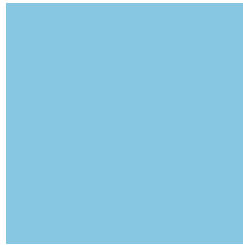
39, 70.077, 344.565



7, 29.442, 341.225

Previews

White Background



This preview shows how the CIELCh color 77, 24.023, 235.683 looks on a white background.

Color Contrast Check

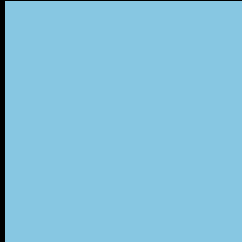
Large Text (above 18pt) WCAG AA × Fail

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, 24.023, 235.683 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, 24.023, 235.683

Background



This preview shows how black text looks on a background with the CIELCh color 77, 24.023, 235.683.



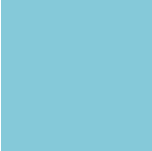
This preview shows how white text looks on a background with the CIELCh color 77, 24.023, 235.683.

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](#).

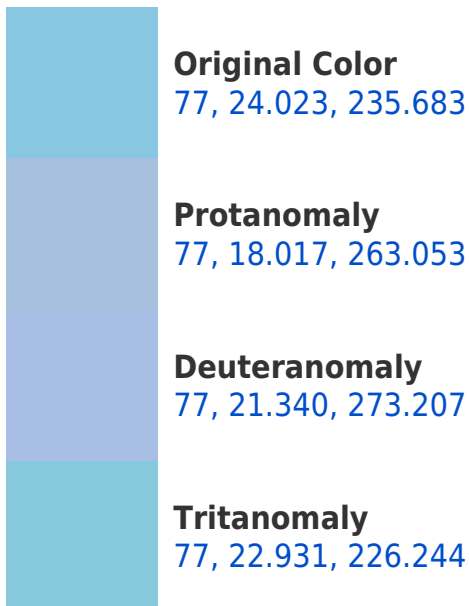
Dichromacy



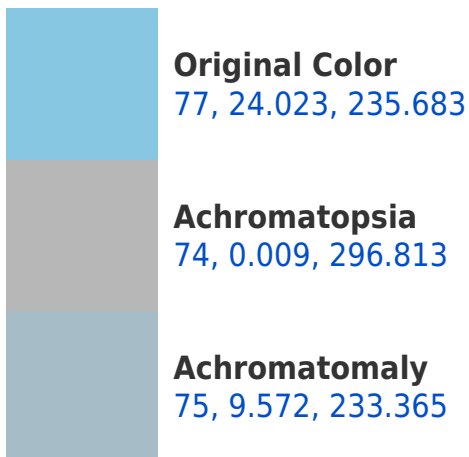


Tritanopia
77, 22.802, 220.297

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 24.023, 235.683 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, 199, 226)` looks like.

```
.text, #text, p{  
    color:rgb(135, 199, 226)  
}
```

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, 199, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 199, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 24.023, 235.683 is called "border". The border property can be set on classes, ids or directly on the HTML element.

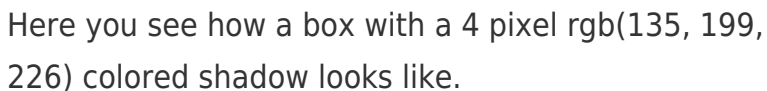
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 199, 226) }
```

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

```
.border{ border-color:rgb(135, 199, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 199, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 199, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 199, 226); box-shadow:4px 4px 4px 4px rgb(135, 199, 226) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 24.023, 235.683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 199, 226) }
```

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

```
.background{ background-color: rgb(135,  
199, 226) }
```

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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