

Converting Colors

CIELCh(77, 22.388, 239.432)

Have a look what the booklet for
CIELCh(77, 22.388, 239.432)
contains.

CIELCh(77, 22.346, 239.176)	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, 22.346, 239.176)

Conversions

Conversions Part 1

Format	Color
Hex	8EC6E1
RGB	142, 198, 225
RGB Percent	56%, 78%, 88%
CMY	0.4434, 0.2238, 0.1179
CMYK	0.37, 0.12, 0.00, 0.12
HSL	200°, 58%, 72%
HSV	200°, 37%, 88%
XYZ	44.9010, 51.5317, 78.7613
YIQ	184.3340, -42.0430, -3.4750

Conversions

Conversions Part 2

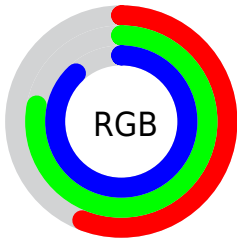
Format	Color
RYB	142, 175, 225
Decimal	9357025
CIELab	77.00, -11.45, -19.19
CIELCh	77, 22.346, 239.176
Yxy	51.5317, 0.2563, 0.2941
Android (android.graphics.Color)	4287547105 (0xFF8EC6E1)
YUV	184.3340, 20.0483, -37.1269
Hunter-Lab	71.7856, -13.9753, -14.8015

Details

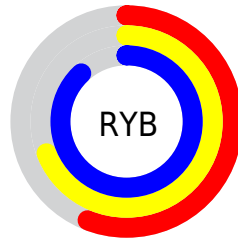
The CIELCh color **77, 22.346, 239.176** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **74, 27.784, 52.155**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 18.709, 198.269**, and **57, 22.390, 240.056** is the 20% darker color. If you saturate the color by 10%, you get **74, 27.480, 241.167**, and if you desaturate by 10%, it is **80, 16.756, 237.586**.

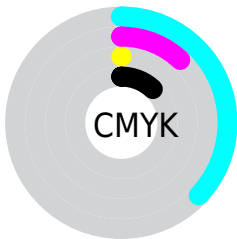
Distribution



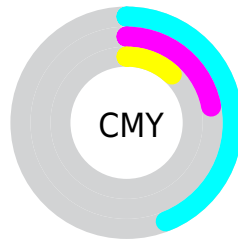
- Red (56%)
- Green (78%)
- Blue (88%)



- Red (56%)
- Yellow (69%)
- Blue (88%)



- Cyan (37%)
- Magenta (12%)
- Yellow (0%)
- Black (12%)





- Cyan (44%)
- Magenta (22%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 22.346, 239.176 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, 22.346, 239.176 by changing the saturation by 10% instead.


 77, 22.346,
239.176


 77, 22.346,
239.176


 100, 22.346,
239.176


 67, 22.346,
239.176


 97, 22.346,
239.176

 57, 22.346,
239.176

 47, 22.346,
239.176

 37, 22.346,
239.176

 27, 22.346,
239.176

 17, 22.346,
239.176

 7, 22.346, 239.176

0, 22.346, 239.176

77, 22.346,
239.176

77, 22.346,
239.176

74, 27.480,
241.167

80, 16.756,
237.586

71, 32.105,
243.655

84, 10.781,
236.332

68, 36.195,
246.724

87, 4.492, 235.389

65, 39.776,
250.448

91, 2.045, 54.197

63, 42.943,
254.849

94, 8.769, 53.751

60, 45.871,
259.841

96, 9.869, 80.276

98, 12.478, 99.357

■ 60, 46.798,
261.400

■ 99, 15.214,
109.028

Harmonies

Complementary

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



77, 22.346, 239.176



74, 27.784, 52.155

Rectangle

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



77, 22.346, 239.176



77, 22.346, 289.176



77, 22.346, 59.176



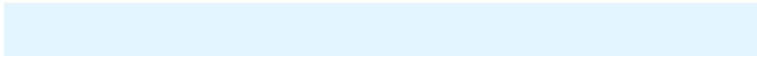
77, 22.346, 109.176

Sweetspot

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



77, 22.345, 239.173



96, 7.864, 235.740



83, 42.169, 151.768



51, 5.270, 235.869



0, 0.000, 0.000



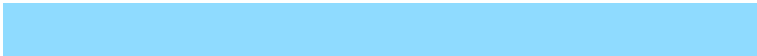
53, 0.007, 296.813

Same Dimension

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



77, 22.345, 239.173



84, 28.802, 240.607



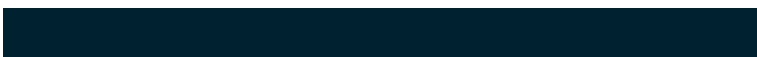
66, 37.682, 286.876



45, 3.672, 235.593



47, 38.591, 260.480



11, 14.605, 250.594

Inverse Universe

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



69, 42.481, 338.170



74, 55.644, 338.852



84, 35.802, 97.094



44, 6.490, 335.954



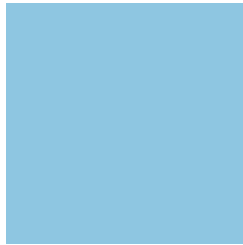
39, 68.849, 346.702



7, 28.921, 342.881

Previews

White Background



This preview shows how the CIELCh color 77, 22.346, 239.176 looks on a white background.

Color Contrast Check

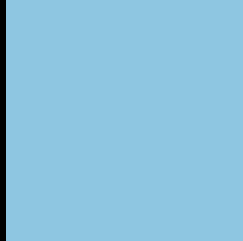
Large Text (above 18pt) WCAG AA × Fail

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, 22.346, 239.176 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, 22.346, 239.176

Background



This preview shows how black text looks on a background with the CIELCh color 77, 22.346, 239.176.



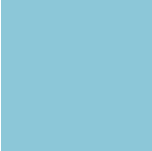
This preview shows how white text looks on a background with the CIELCh color 77, 22.346, 239.176.

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, 20.705, 224.546

Trichromacy



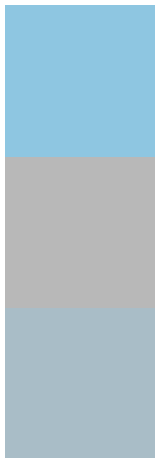
Original Color
77, 22.346, 239.176

Protanomaly
77, 17.141, 264.964

Deuteranomaly
77, 20.574, 275.186

Tritanomaly
77, 21.029, 229.190

Monochromacy



Original Color
77, 22.346, 239.176

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 8.752, 237.174

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 22.346, 239.176 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(142, 198, 225)` looks like.

```
.text, #text, p{  
    color:rgb(142, 198, 225)  
}
```

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(142, 198, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 198, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 22.346, 239.176 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(142, 198, 225) }
```

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

```
.border{ border-color:rgb(142, 198, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 198, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(142, 198, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(142, 198, 225); box-shadow:4px 4px 4px 4px rgb(142, 198, 225) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 22.346, 239.176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 198, 225) }
```

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

```
.background{ background-color: rgb(142,  
198, 225) }
```

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