

Converting Colors

CIELCh(77, 18.398, 224.422)

Have a look what the booklet for
CIELCh(77, 18.398, 224.422)
contains.

CIELCh(77, 18.299, 224.619)	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, 18.299, 224.619)

Conversions

Conversions Part 1

Format	Color
Hex	93C6D5
RGB	147, 198, 213
RGB Percent	58%, 78%, 84%
CMY	0.4226, 0.2226, 0.1638
CMYK	0.31, 0.07, 0.00, 0.16
HSL	194°, 44%, 71%
HSV	194°, 31%, 84%
XYZ	44.3584, 51.5317, 70.7127
YIQ	184.4610, -35.2110, -6.1470

Conversions

Conversions Part 2

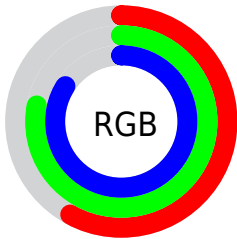
Format	Color
RYB	147, 176, 213
Decimal	9684693
CIELab	77.00, -13.03, -12.85
CIELCh	77, 18.299, 224.619
Yxy	51.5317, 0.2663, 0.3093
Android (android.graphics.Color)	4287874773 (0xFF93C6D5)
YUV	184.4610, 14.0697, -32.8533
Hunter-Lab	71.7856, -15.3245, -8.1539

Details

The CIELCh color **77, 18.299, 224.619** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **71, 22.573, 41.997**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 17.181, 198.366**, and **57, 18.172, 224.340** is the 20% darker color. If you saturate the color by 10%, you get **75, 23.272, 225.710**, and if you desaturate by 10%, it is **80, 12.804, 223.802**.

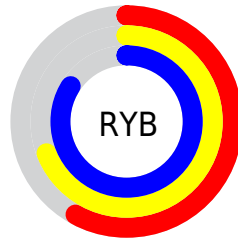
Distribution



Red (58%)

Green (78%)

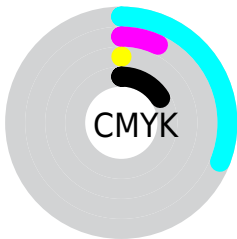
Blue (84%)



Red (58%)

Yellow (69%)

Blue (84%)

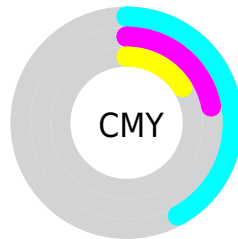


Cyan (31%)

Magenta (7%)

Yellow (0%)

Black (16%)



Cyan (42%)

Magenta (22%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 18.299, 224.619 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, 18.299, 224.619 by changing the saturation by 10% instead.

■ 77, 18.299,
224.619

■ 77, 18.299,
224.619

■ 100, 18.299,
224.619

■ 67, 18.299,
224.619

■ 97, 18.299,
224.619

■ 57, 18.299,
224.619

■ 47, 18.299,
224.619

■ 37, 18.299,
224.619

■ 27, 18.299,
224.619

■ 17, 18.299,
224.619

■ 7, 18.299, 224.619

■ 0, 18.299, 224.619

■ 77, 18.299,
224.619

■ 77, 18.299,
224.619

■ 75, 23.272,
225.710

■ 80, 12.804,
223.802

■ 72, 27.634,
227.156

■ 82, 6.881, 223.233

■ 70, 31.310,
229.033

■ 85, 0.616, 223.627

■ 88, 5.914, 42.316

■ 68, 34.256,
231.431

■ 91, 12.643, 42.166

■ 66, 36.483,
234.438

■ 92, 12.636, 54.801

■ 93, 12.936, 68.228

■ 64, 38.074,
238.114

■ 95, 13.901, 80.368

■ 63, 39.168,
241.920

■ 96, 15.399, 90.491

Harmonies

Complementary

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



77, 18.299, 224.619



71, 22.573, 41.997

Rectangle

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



77, 18.299, 224.619



77, 18.299, 274.619



77, 18.299, 44.619



77, 18.299, 94.619

Sweetspot

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



77, 18.299, 224.615



97, 6.567, 223.156



80, 36.672, 148.722



51, 4.546, 223.216



0, 0.000, 0.000



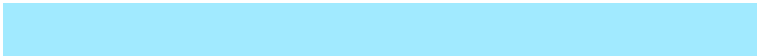
53, 0.007, 296.813

Same Dimension

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



77, 18.299, 224.615



89, 24.675, 225.282



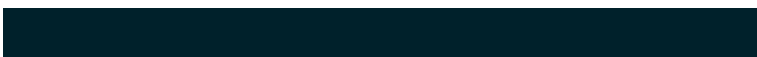
68, 26.523, 279.600



44, 3.592, 223.169



51, 33.109, 241.182



11, 12.688, 232.232

Inverse Universe

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



69, 36.592, 333.554



78, 50.369, 334.020



79, 26.220, 91.042



42, 6.699, 332.069



38, 71.924, 339.780



6, 27.881, 337.200

Previews

White Background



This preview shows how the CIELCh color 77, 18.299, 224.619 looks on a white background.

Color Contrast Check

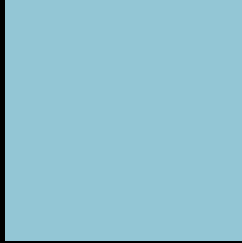
Large Text (above 18pt) WCAG AA × Fail

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, 18.299, 224.619 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, 18.299, 224.619

Background



This preview shows how black text looks on a background with the CIELCh color 77, 18.299, 224.619.



This preview shows how white text looks on a background with the CIELCh color 77, 18.299, 224.619.

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
[77, 18.299, 224.619](#)

Protanopia
[77, 10.220, 291.125](#)

Deuteranopia
[77, 17.108, 303.492](#)



Tritanopia
77, 18.483, 226.229

Trichromacy



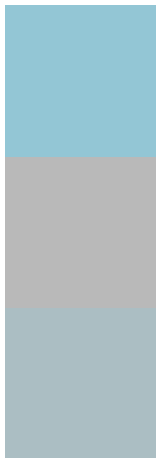
Original Color
77, 18.299, 224.619

Protanomaly
77, 11.103, 254.722

Deuteranomaly
77, 13.949, 274.235

Tritanomaly
77, 18.483, 226.229

Monochromacy



Original Color
77, 18.299, 224.619

Achromatopsia
75, 0.009, 296.813

Achromatomaly
76, 7.224, 220.944

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 18.299, 224.619 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(147, 198, 213)` looks like.

```
.text, #text, p{  
    color:rgb(147, 198, 213)  
}
```

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(147, 198, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 198, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 18.299, 224.619 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(147, 198, 213) }
```

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

```
.border{ border-color:rgb(147, 198, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 198, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 198, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 198, 213);  
box-shadow:4px 4px 4px 4px rgb(147, 198,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 18.299, 224.619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 198, 213) }
```

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

```
.background{ background-color: rgb(147,  
198, 213) }
```

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