

Converting Colors

CIELCh(80, 29.498, 225.016)

Have a look what the booklet for
CIELCh(80, 29.498, 225.016)
contains.

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Color

CIELCh(80, 29.425, 224.936)

Conversions

Conversions Part 1

Format	Color
Hex	77D3EC
RGB	119, 211, 236
RGB Percent	47%, 83%, 93%
CMY	0.5326, 0.1718, 0.0738
CMYK	0.50, 0.11, 0.00, 0.07
HSL	193°, 76%, 70%
HSV	193°, 50%, 93%
XYZ	46.1407, 56.6813, 88.0061
YIQ	186.3420, -62.8570, -11.7290

Conversions

Conversions Part 2

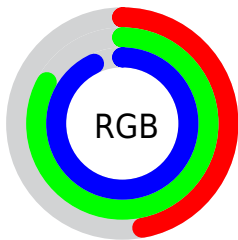
Format	Color
RYB	119, 171, 236
Decimal	7853036
CIELab	80.00, -20.83, -20.78
CIELCh	80, 29.425, 224.936
Yxy	56.6813, 0.2418, 0.2970
Android (android.graphics.Color)	4286043116 (0xFF77D3EC)
YUV	186.3420, 24.4814, -59.0589
Hunter-Lab	75.2870, -22.3559, -16.6057

Details

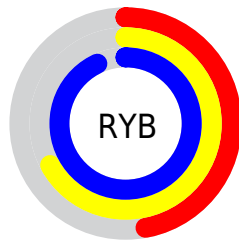
The CIELCh color **80, 29.425, 224.936** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **69, 42.713, 41.045**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 24.830, 197.886**, and **60, 29.419, 225.134** is the 20% darker color. If you saturate the color by 10%, you get **78, 33.463, 226.635**, and if you desaturate by 10%, it is **82, 24.620, 223.639**.

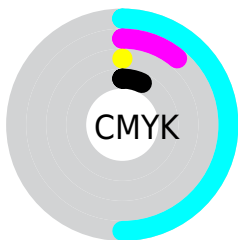
Distribution



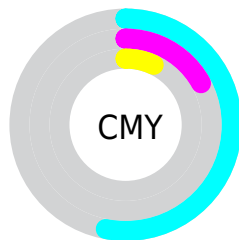
- Red (47%)
- Green (83%)
- Blue (93%)



- Red (47%)
- Yellow (67%)
- Blue (93%)



- Cyan (50%)
- Magenta (11%)
- Yellow (0%)
- Black (7%)





- Cyan (53%)
- Magenta (17%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 29.425, 224.936 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, 29.425, 224.936 by changing the saturation by 10% instead.


 80, 29.425,
224.936


 80, 29.425,
224.936


 100, 29.425,
224.936


 70, 29.425,
224.936

 60, 29.425,
224.936

 50, 29.425,
224.936

 40, 29.425,
224.936

 30, 29.425,
224.936

 20, 29.425,
224.936

 10, 29.425,

224.936

0, 29.425, 224.936

80, 29.425,
224.936

80, 29.425,
224.936

78, 33.463,
226.635

82, 24.620,
223.639

76, 36.680,
228.830

85, 19.140,
222.673

74, 39.073,
231.606

88, 13.087,
221.973

72, 40.720,
235.035

91, 6.566, 221.507

70, 41.838,
239.071

94, 0.327, 39.191

96, 5.544, 48.651

70, 41.889,
239.263

97, 6.057, 79.544

99, 7.889, 100.575

100, 9.524,
109.456

Harmonies

Complementary

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



80, 29.425, 224.936



69, 42.713, 41.045

Rectangle

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



80, 29.425, 224.936



80, 29.425, 274.936



80, 29.425, 44.936



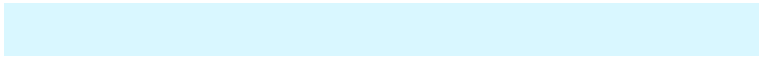
80, 29.425, 94.936

Sweetspot

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



80, 29.424, 224.934



95, 10.834, 221.735



85, 63.473, 146.069



50, 7.347, 221.842



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, 29.424, 224.934



83, 35.350, 226.580



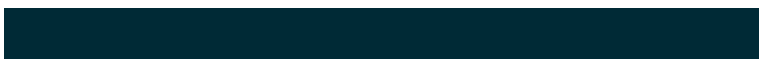
64, 46.113, 282.636



48, 3.892, 221.505



55, 34.239, 238.476



15, 14.452, 231.675

Inverse Universe

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



66, 62.757, 334.404



67, 77.361, 335.161



82, 45.309, 87.212



46, 7.290, 331.581



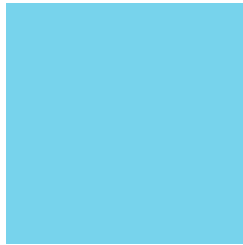
41, 75.771, 338.983



8, 33.208, 337.092

Previews

White Background



This preview shows how the CIELCh color 80, 29.425, 224.936 looks on a white background.

Color Contrast Check

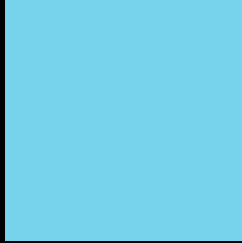
Large Text (above 18pt) WCAG AA × Fail

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, 29.425, 224.936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

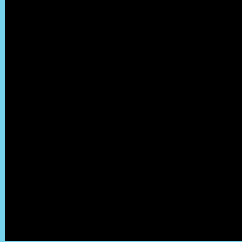
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 29.425, 224.936

Background



This preview shows how black text looks on a background with the CIELCh color 80, 29.425, 224.936.



This preview shows how white text looks on a background with the CIELCh color 80, 29.425, 224.936.

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

80, 29.425, 224.936

Protanopia

80, 16.037, 286.714

Deuteranopia

80, 25.131, 293.907

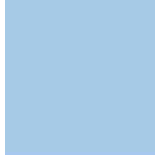


Tritanopia
80, 29.179, 215.847

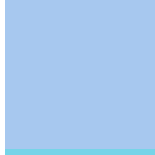
Trichromacy



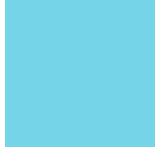
Original Color
80, 29.425, 224.936



Protanomaly
80, 18.651, 252.414



Deuteranomaly
79, 22.959, 264.643

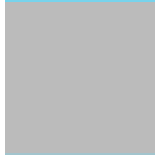


Tritanomaly
80, 29.219, 219.239

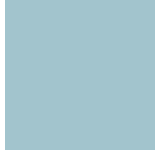
Monochromacy



Original Color
80, 29.425, 224.936



Achromatopsia
76, 0.009, 296.813



Achromatomaly
77, 12.502, 221.484

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 29.425, 224.936 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(119, 211, 236)` looks like.

```
.text, #text, p{  
    color:rgb(119, 211, 236)  
}
```

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(119, 211, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 211, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 29.425, 224.936 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(119, 211, 236) }
```

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

```
.border{ border-color:rgb(119, 211, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 211, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 211, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 211, 236);  
box-shadow:4px 4px 4px 4px rgb(119, 211,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 29.425, 224.936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 211, 236) }
```

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

```
.background{ background-color: rgb(119,  
211, 236) }
```

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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