

Converting Colors

CIELCh(80, 29.032, 232.878)

Have a look what the booklet for
CIELCh(80, 29.032, 232.878)
contains.

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Color

CIELCh(80, 29.163, 232.786)

Conversions

Conversions Part 1

Format	Color
Hex	7DD2F1
RGB	125, 210, 241
RGB Percent	49%, 82%, 95%
CMY	0.5106, 0.1772, 0.0557
CMYK	0.48, 0.13, 0.00, 0.06
HSL	196°, 80%, 72%
HSV	196°, 48%, 94%
XYZ	47.2743, 56.6813, 91.5117
YIQ	188.1190, -60.6110, -8.3790

Conversions

Conversions Part 2

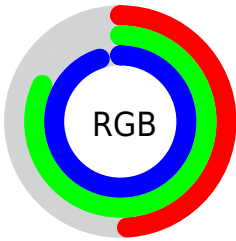
Format	Color
RYB	125, 174, 241
Decimal	8246001
CIELab	80.00, -17.64, -23.22
CIELCh	80, 29.163, 232.786
Yxy	56.6813, 0.2419, 0.2900
Android (android.graphics.Color)	4286436081 (0xFF7DD2F1)
YUV	188.1190, 26.0703, -55.3554
Hunter-Lab	75.2870, -19.6682, -19.3664

Details

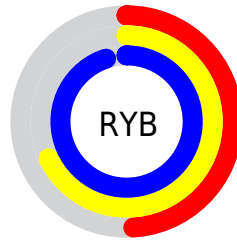
The CIELCh color **80, 29.163, 232.786** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **72, 40.862, 45.928**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 23.133, 197.991**, and **60, 29.191, 233.535** is the 20% darker color. If you saturate the color by 10%, you get **77, 33.574, 234.929**, and if you desaturate by 10%, it is **83, 24.079, 231.106**.

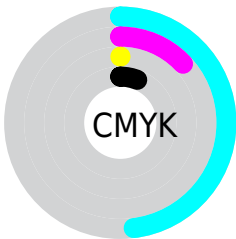
Distribution



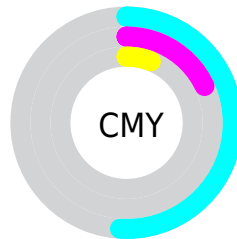
- Red (49%)
- Green (82%)
- Blue (95%)



- Red (49%)
- Yellow (68%)
- Blue (95%)



- Cyan (48%)
- Magenta (13%)
- Yellow (0%)
- Black (6%)





- Cyan (51%)
- Magenta (18%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 29.163, 232.786 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, 29.163, 232.786 by changing the saturation by 10% instead.


 80, 29.163,
232.786


 80, 29.163,
232.786


 100, 29.163,
232.786


 70, 29.163,
232.786

 60, 29.163,
232.786

 50, 29.163,
232.786

 40, 29.163,
232.786

 30, 29.163,
232.786

 20, 29.163,
232.786

 10, 29.163,

232.786

0, 29.163, 232.786

80, 29.163,
232.786

80, 29.163,
232.786

77, 33.574,
234.929

83, 24.079,
231.106

75, 37.271,
237.636

86, 18.402,
229.808

72, 40.266,
240.993

89, 12.223,
228.818

70, 42.650,
245.056

92, 5.633, 228.104

68, 44.623,
249.767

96, 1.281, 46.945

98, 4.506, 78.429

■ 68, 44.985,
250.644

■ 100, 7.109,
109.192

■ 100, 7.187,
109.629

Harmonies

Complementary

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



80, 29.163, 232.786



72, 40.862, 45.928

Rectangle

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



80, 29.163, 232.786



80, 29.163, 282.786



80, 29.163, 52.786



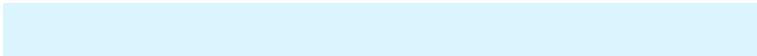
80, 29.163, 102.786

Sweetspot

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



80, 29.162, 232.784



95, 9.970, 228.488



87, 59.744, 148.519



50, 6.846, 228.655



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, 29.162, 232.784



81, 35.066, 234.931



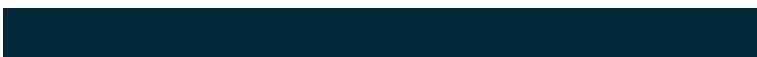
64, 49.714, 286.549



48, 3.891, 228.179



53, 36.487, 249.728



15, 15.298, 242.037

Inverse Universe

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



68, 59.995, 336.567



67, 73.680, 337.470



86, 47.151, 92.354



47, 7.142, 333.591



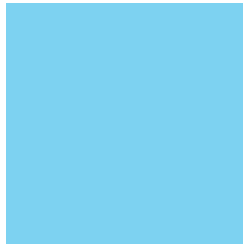
41, 73.708, 342.526



9, 33.023, 340.038

Previews

White Background



This preview shows how the CIELCh color 80, 29.163, 232.786 looks on a white background.

Color Contrast Check

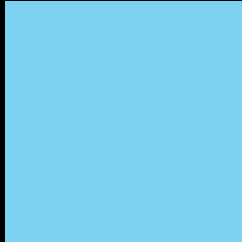
Large Text (above 18pt) WCAG AA × Fail

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, 29.163, 232.786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

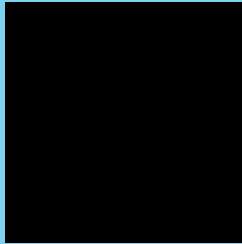
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 29.163, 232.786

Background



This preview shows how black text looks on a background with the CIELCh color 80, 29.163, 232.786.

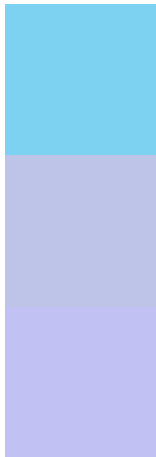


This preview shows how white text looks on a background with the CIELCh color 80, 29.163, 232.786.

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, 29.163, 232.786

Protanopia

80, 18.736, 285.641

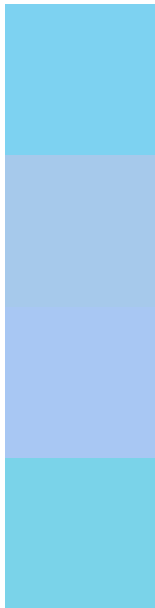
Deuteranopia

80, 27.241, 292.578



Tritanopia
80, 28.310, 216.480

Trichromacy



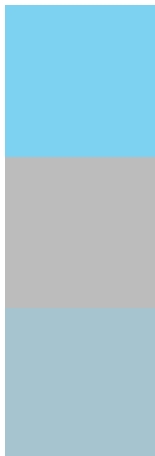
Original Color
80, 29.163, 232.786

Protanomaly
80, 20.986, 259.229

Deuteranomaly
79, 25.095, 269.187

Tritanomaly
80, 28.390, 222.373

Monochromacy



Original Color
80, 29.163, 232.786

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 12.018, 228.290

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 29.163, 232.786 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(125, 210, 241)` looks like.

```
.text, #text, p{  
    color:rgb(125, 210, 241)  
}
```

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(125, 210, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 210, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 29.163, 232.786 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(125, 210, 241) }
```

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

```
.border{ border-color:rgb(125, 210, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 210, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 210, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 210, 241);  
box-shadow:4px 4px 4px 4px rgb(125, 210,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 29.163, 232.786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 210, 241) }
```

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

```
.background{ background-color: rgb(125,  
210, 241) }
```

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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