

Converting Colors

CIELCh(77, 28.853, 227.977)

Have a look what the booklet for
CIELCh(77, 28.853, 227.977)
contains.

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Color

CIELCh(77, 28.912, 228.212)

Conversions

Conversions Part 1

Format	Color
Hex	72CAE5
RGB	114, 202, 229
RGB Percent	45%, 79%, 90%
CMY	0.5525, 0.2075, 0.1016
CMYK	0.50, 0.12, 0.00, 0.10
HSL	194°, 69%, 67%
HSV	194°, 50%, 90%
XYZ	42.2512, 51.5317, 81.9187
YIQ	178.7660, -61.1150, -10.2590

Conversions

Conversions Part 2

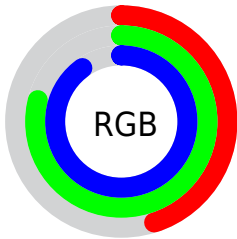
Format	Color
RYB	114, 164, 229
Decimal	7523045
CIELab	77.00, -19.27, -21.56
CIELCh	77, 28.912, 228.212
Yxy	51.5317, 0.2405, 0.2933
Android (android.graphics.Color)	4285713125 (0xFF72CAE5)
YUV	178.7660, 24.7654, -56.7998
Hunter-Lab	71.7856, -20.5642, -17.4093

Details

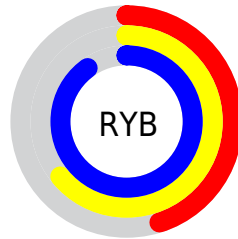
The CIELCh color **77, 28.912, 228.212** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **67, 41.842, 42.948**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 26.210, 197.801**, and **57, 28.843, 227.379** is the 20% darker color. If you saturate the color by 10%, you get **75, 32.874, 230.145**, and if you desaturate by 10%, it is **80, 24.235, 226.717**.

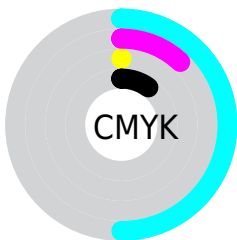
Distribution



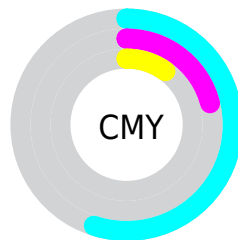
- Red (45%)
- Green (79%)
- Blue (90%)



- Red (45%)
- Yellow (64%)
- Blue (90%)



- Cyan (50%)
- Magenta (12%)
- Yellow (0%)
- Black (10%)



- Cyan (55%)
- Magenta (21%)
- Yellow (10%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 28.912, 228.212 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, 28.912, 228.212 by changing the saturation by 10% instead.

 77, 28.912,
228.212

 77, 28.912,
228.212


 100, 28.912,
228.212

 67, 28.912,
228.212


 97, 28.912,
228.212

 57, 28.912,
228.212

 47, 28.912,
228.212

 37, 28.912,
228.212

 27, 28.912,
228.212

 17, 28.912,
228.212

 7, 28.912, 228.212

■ 0, 28.912, 228.212

■ 77, 28.912,
228.212

■ 77, 28.912,
228.212

■ 75, 32.874,
230.145

■ 80, 24.235,
226.717

■ 72, 36.076,
232.613

■ 82, 18.924,
225.581

■ 70, 38.530,
235.703

■ 85, 13.074,
224.735

■ 69, 40.323,
239.476

■ 88, 6.780, 224.139

■ 67, 41.670,
243.748

■ 91, 0.135, 227.958

■ 94, 6.783, 43.173

■ 96, 7.754, 64.117

■ 97, 8.904, 85.789

■ 98, 10.982,
100.805

Harmonies

Complementary

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



77, 28.912, 228.212



67, 41.842, 42.948

Rectangle

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



77, 28.912, 228.212



77, 28.912, 278.212



77, 28.912, 48.212



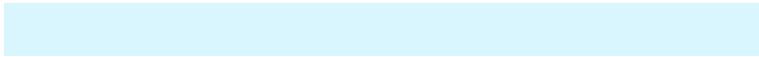
77, 28.912, 98.212

Sweetspot

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



77, 28.911, 228.210



95, 10.746, 224.399



83, 61.155, 147.108



50, 7.289, 224.531



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, 28.911, 228.210



82, 35.709, 230.180



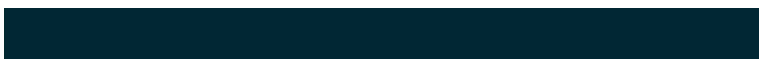
61, 47.727, 284.982



47, 3.790, 224.106



53, 34.449, 242.938



14, 14.095, 235.159

Inverse Universe

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



64, 61.095, 335.325



66, 77.301, 336.171



81, 45.928, 89.689



45, 7.052, 332.353



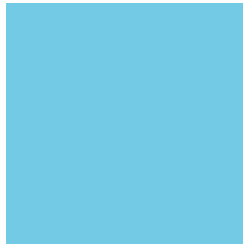
40, 73.856, 340.314



8, 31.800, 338.043

Previews

White Background



This preview shows how the CIELCh color 77, 28.912, 228.212 looks on a white background.

Color Contrast Check

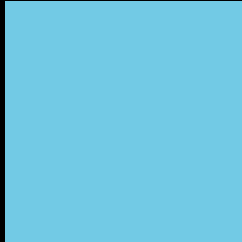
Large Text (above 18pt) WCAG AA × Fail

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, 28.912, 228.212 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, 28.912, 228.212

Background



This preview shows how black text looks on a background with the CIELCh color 77, 28.912, 228.212.



This preview shows how white text looks on a background with the CIELCh color 77, 28.912, 228.212.

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, 28.912, 228.212

Protanopia

77, 16.719, 285.835

Deuteranopia

77, 25.844, 292.530



Tritanopia
77, 28.617, 215.193

Trichromacy



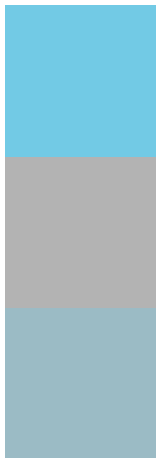
Original Color
77, 28.912, 228.212

Protanomaly
77, 19.402, 255.560

Deuteranomaly
76, 23.934, 266.908

Tritanomaly
77, 28.522, 219.987

Monochromacy



Original Color
77, 28.912, 228.212

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 12.164, 225.234

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 28.912, 228.212 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(114, 202, 229)` looks like.

```
.text, #text, p{  
    color:rgb(114, 202, 229)  
}
```

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(114, 202, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 202, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 28.912, 228.212 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(114, 202, 229) }
```

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

```
.border{ border-color:rgb(114, 202, 229) }
```

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

Here you see how a box with a 4 pixel rgb(114, 202, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 202, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 202, 229);  
box-shadow:4px 4px 4px 4px rgb(114, 202,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 28.912, 228.212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 202, 229) }
```

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

```
.background{ background-color: rgb(114,  
202, 229) }
```

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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