

Converting Colors

CIELCh(78, 37.737, 225.712)

Have a look what the booklet for
CIELCh(78, 37.737, 225.712)
contains.

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Color

CIELCh(78, 37.746, 225.556)

Conversions

Conversions Part 1

Format	Color
Hex	47D1F2
RGB	71, 209, 242
RGB Percent	28%, 82%, 95%
CMY	0.7228, 0.1813, 0.0519
CMYK	0.71, 0.14, 0.00, 0.05
HSL	192°, 87%, 61%
HSV	192°, 71%, 95%
XYZ	41.3104, 53.2120, 91.9123
YIQ	171.5000, -92.8410, -18.9930

Conversions

Conversions Part 2

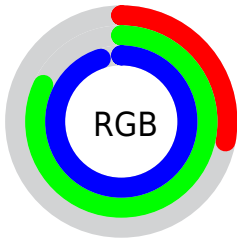
Format	Color
R _Y B	71, 147, 242
Decimal	4706802
CIE Lab	78.00, -26.43, -26.95
CIE LCh	78, 37.746, 225.556
Yxy	53.2120, 0.2216, 0.2854
Android (android.graphics.Color)	4282896882 (0xFF47D1F2)
YUV	171.5000, 34.7565, -88.1385
Hunter-Lab	72.9466, -26.5700, -23.6425

Details

The CIELCh color **78, 37.746, 225.556** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **61, 67.836, 41.035**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 34.243, 197.314**, and **59, 34.367, 229.471** is the 20% darker color. If you saturate the color by 10%, you get **76, 39.941, 228.112**, and if you desaturate by 10%, it is **80, 34.666, 223.547**.

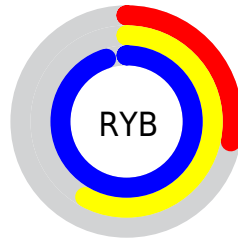
Distribution



Red (28%)

Green (82%)

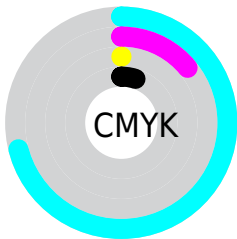
Blue (95%)



Red (28%)

Yellow (58%)

Blue (95%)

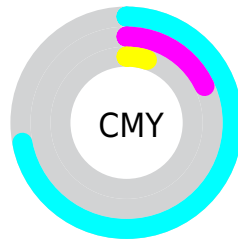


Cyan (71%)

Magenta (14%)

Yellow (0%)

Black (5%)



Cyan (72%)


Magenta (18%)


Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 37.746, 225.556 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 78, 37.746, 225.556 by changing the saturation by 10% instead.


 78, 37.746,
225.556


 78, 37.746,
225.556


 100, 37.746,
225.556


 68, 37.746,
225.556


 98, 37.746,
225.556

 58, 37.746,
225.556

 48, 37.746,
225.556

 38, 37.746,
225.556

 28, 37.746,
225.556

 18, 37.746,
225.556

 8, 37.746, 225.556

0, 37.746, 225.556

78, 37.746,
225.556

78, 37.746,
225.556

76, 39.941,
228.112

80, 34.666,
223.547

75, 41.335,
231.286

82, 30.704,
222.004

73, 42.122,
234.718

84, 25.917,
220.844

87, 20.399,
219.994

90, 14.259,
219.396

92, 7.609, 219.015

■ 95, 0.554, 219.798

■ 97, 3.844, 54.166

■ 99, 4.783, 91.301

Harmonies

Complementary

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



78, 37.746, 225.556



61, 67.836, 41.035

Rectangle

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



78, 37.746, 225.556



78, 37.746, 275.556



78, 37.746, 45.556



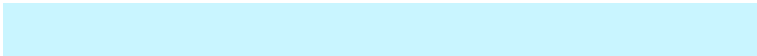
78, 37.746, 95.556

Sweetspot

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



78, 37.745, 225.555



94, 15.045, 219.411



85, 88.986, 142.511



49, 10.090, 219.556



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 37.745, 225.555



79, 42.330, 229.455



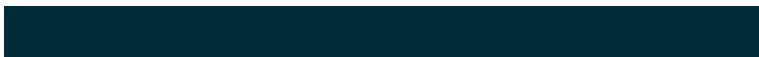
54, 67.279, 287.853



49, 4.003, 218.984



57, 34.219, 233.987



16, 14.851, 228.132

Inverse Universe

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



60, 85.507, 335.176



59, 97.110, 336.420



79, 64.464, 82.681



47, 7.530, 330.841



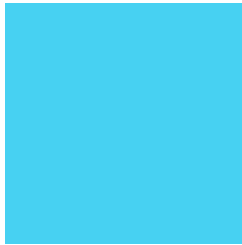
42, 77.740, 337.719



9, 34.630, 336.156

Previews

White Background



This preview shows how the CIELCh color 78, 37.746, 225.556 looks on a white background.

Color Contrast Check

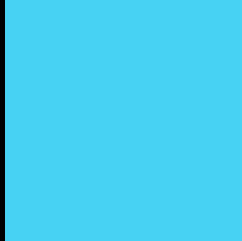
Large Text (above 18pt) WCAG AA × Fail

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 78, 37.746, 225.556 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 78, 37.746, 225.556

Background



This preview shows how black text looks on a background with the CIELCh color 78, 37.746, 225.556.



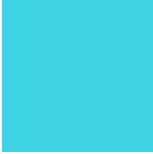
This preview shows how white text looks on a background with the CIELCh color 78, 37.746, 225.556.

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
78, 38.148, 210.907

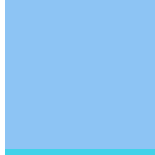
Trichromacy



Original Color
78, 37.746, 225.556



Protanomaly
77, 25.125, 249.317



Deuteranomaly
77, 29.871, 259.012

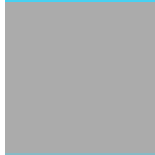


Tritanomaly
78, 37.742, 216.348

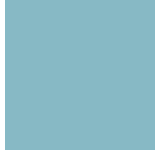
Monochromacy



Original Color
78, 37.746, 225.556



Achromatopsia
70, 0.009, 296.813



Achromatomaly
72, 17.645, 220.110

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 37.746, 225.556 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(71, 209, 242)` looks like.

```
.text, #text, p{  
    color:rgb(71, 209, 242)  
}
```

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(71, 209, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 209, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 37.746, 225.556 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(71, 209, 242) }
```

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

```
.border{ border-color:rgb(71, 209, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 209, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 209, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 209, 242);  
box-shadow:4px 4px 4px 4px rgb(71, 209,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 37.746, 225.556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 209, 242) }
```

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

```
.background{ background-color: rgb(71, 209,  
242) }
```

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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