

Converting Colors

CIELCh(77, 39.961, 214.552)

Have a look what the booklet for
CIELCh(77, 39.961, 214.552)
contains.

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Color

CIELCh(77, 40.033, 214.245)

Conversions

Conversions Part 1

Format	Color
Hex	25D1E7
RGB	37, 209, 231
RGB Percent	15%, 82%, 91%
CMY	0.8548, 0.1820, 0.0958
CMYK	0.84, 0.10, 0.00, 0.10
HSL	187°, 80%, 52%
HSV	187°, 84%, 90%
XYZ	37.8229, 51.5317, 83.2371
YIQ	160.0800, -109.5740, -29.6220

Conversions

Conversions Part 2

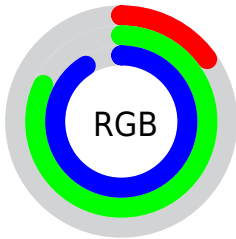
Format	Color
R_{YB}	37, 128, 231
Decimal	2478567
CIE _{Lab}	77.00, -33.09, -22.53
CIE _{LCh}	77, 40.033, 214.245
Yxy	51.5317, 0.2191, 0.2986
Android (android.graphics.Color)	4280668647 (0xFF25D1E7)
YUV	160.0800, 34.9636, -107.9412
Hunter-Lab	71.7856, -31.5756, -18.4982

Details

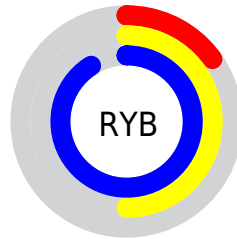
The CIELCh color **77, 40.033, 214.245** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **52, 82.468, 38.958**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 38.486, 197.062**, and **58, 33.228, 218.191** is the 20% darker color. If you saturate the color by 10%, you get **76, 40.778, 216.053**, and if you desaturate by 10%, it is **78, 38.404, 212.818**.

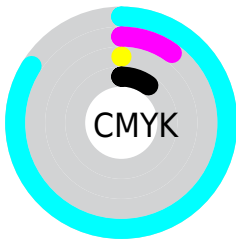
Distribution



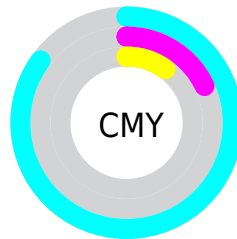
- Red (15%)
- Green (82%)
- Blue (91%)



- Red (15%)
- Yellow (50%)
- Blue (91%)



- Cyan (84%)
- Magenta (10%)
- Yellow (0%)
- Black (10%)



- Cyan (85%)
- Magenta (18%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 40.033, 214.245 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, 40.033, 214.245 by changing the saturation by 10% instead.

 77, 40.033,
214.245

 77, 40.033,
214.245


 100, 40.033,
214.245


 67, 40.033,
214.245


 97, 40.033,
214.245

 57, 40.033,
214.245

 47, 40.033,
214.245

 37, 40.033,
214.245

 27, 40.033,
214.245

 17, 40.033,
214.245

 7, 40.033, 214.245

0, 40.033, 214.245

77, 40.033,
214.245

77, 40.033,
214.245

76, 40.778,
216.053

78, 38.404,
212.818

76, 40.937,
217.303

79, 35.812,
211.735

81, 32.254,
210.950

82, 27.784,
210.415

84, 22.495,
210.087

86, 16.501,
209.932

■ 88, 9.924, 209.926

■ 91, 2.881, 210.153

■ 93, 4.522, 29.959

Harmonies

Complementary

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



77, 40.033, 214.245



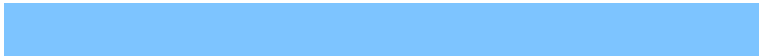
52, 82.468, 38.958

Rectangle

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



77, 40.033, 214.245



77, 40.033, 264.245



77, 40.033, 34.245



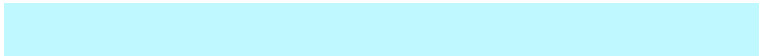
77, 40.033, 84.245

Sweetspot

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



77, 40.032, 214.244



94, 18.616, 209.942



81, 101.221, 138.481



49, 12.533, 209.986



0, 0.000, 0.000



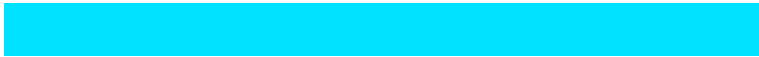
53, 0.007, 296.813

Same Dimension

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



77, 40.032, 214.244



83, 44.159, 217.434



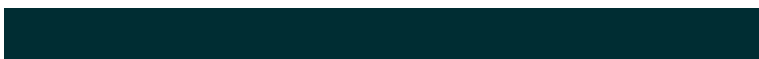
50, 68.069, 286.617



47, 4.078, 209.976



60, 33.840, 216.912



16, 14.377, 213.370

Inverse Universe

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



55, 94.601, 332.543



59, 105.531, 333.458



69, 69.761, 72.998



45, 7.683, 328.217



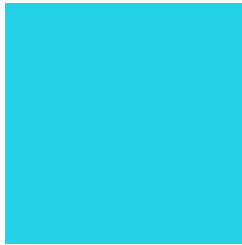
41, 80.908, 333.329



8, 34.419, 332.459

Previews

White Background



This preview shows how the CIE LCh color 77, 40.033, 214.245 looks on a white background.

Color Contrast Check

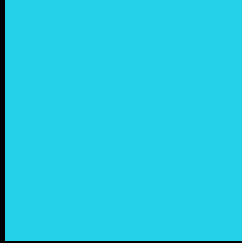
Large Text (above 18pt) WCAG AA × Fail

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, 40.033, 214.245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

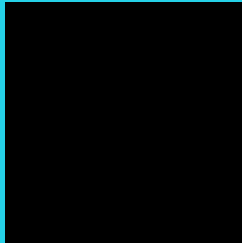
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 40.033, 214.245

Background



This preview shows how black text looks on a background with the CIELCh color 77, 40.033, 214.245.

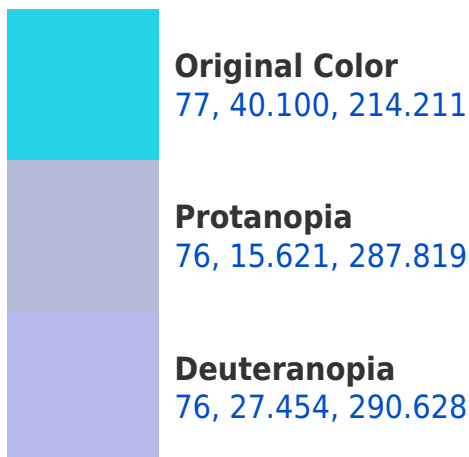


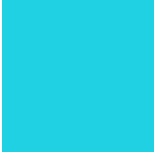
This preview shows how white text looks on a background with the CIELCh color 77, 40.033, 214.245.

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



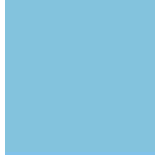


Tritanopia
77, 40.495, 209.948

Trichromacy



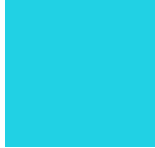
Original Color
77, 40.100, 214.211



Protanomaly
75, 23.791, 234.620



Deuteranomaly
76, 28.255, 248.667

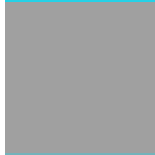


Tritanomaly
77, 40.344, 211.630

Monochromacy



Original Color
77, 40.100, 214.211



Achromatopsia
66, 0.008, 296.813



Achromatomaly
69, 20.914, 210.069

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 40.033, 214.245 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(37, 209, 231)` looks like.

```
.text, #text, p{  
    color:rgb(37, 209, 231)  
}
```

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(37, 209, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 209, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 40.033, 214.245 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(37, 209, 231) }
```

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

```
.border{ border-color:rgb(37, 209, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 209, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 209, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 209, 231);  
box-shadow:4px 4px 4px 4px rgb(37, 209,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 40.033, 214.245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 209, 231) }
```

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

```
.background{ background-color: rgb(37, 209,  
231) }
```

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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