

Converting Colors

CIELCh(76, 37.053, 212.408)

Have a look what the booklet for
CIELCh(76, 37.053, 212.408)
contains.

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Color

CIELCh(76, 37.095, 212.300)

Conversions

Conversions Part 1

Format	Color
Hex	3ECDDF
RGB	62, 205, 223
RGB Percent	24%, 80%, 87%
CMY	0.7581, 0.1969, 0.1264
CMYK	0.72, 0.08, 0.00, 0.13
HSL	187°, 71%, 56%
HSV	187°, 72%, 87%
XYZ	37.0347, 49.8872, 77.3330
YIQ	164.2950, -91.0060, -24.7180

Conversions

Conversions Part 2

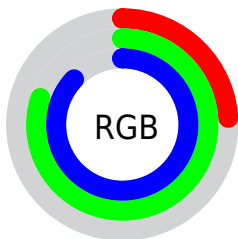
Format	Color
RYB	62, 138, 223
Decimal	4115935
CIELab	76.00, -31.35, -19.82
CIELCh	76, 37.095, 212.300
Yxy	49.8872, 0.2255, 0.3037
Android (android.graphics.Color)	4282306015 (0xFF3ECDDF)
YUV	164.2950, 28.9416, -89.7127
Hunter-Lab	70.6309, -30.0091, -15.4743

Details

The CIELCh color **76, 37.095, 212.300** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **54, 68.067, 36.423**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 36.231, 197.196**, and **57, 32.503, 215.486** is the 20% darker color. If you saturate the color by 10%, you get **75, 38.842, 213.628**, and if you desaturate by 10%, it is **77, 34.404, 211.299**.

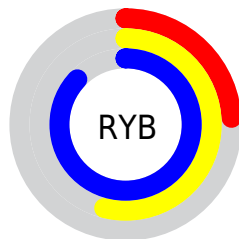
Distribution



Red (24%)

Green (80%)

Blue (87%)



Red (24%)

Yellow (54%)

Blue (87%)

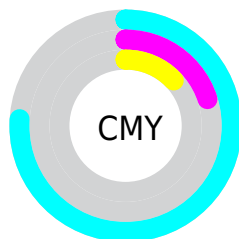


Cyan (72%)

Magenta (8%)

Yellow (0%)

Black (13%)



Cyan (76%)


Magenta (20%)


Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 37.095, 212.300 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 76, 37.095, 212.300 by changing the saturation by 10% instead.


 76, 37.095,
212.300


 76, 37.095,
212.300


 100, 37.095,
212.300


 66, 37.095,
212.300


 96, 37.095,
212.300

 56, 37.095,
212.300

 46, 37.095,
212.300

 36, 37.095,
212.300

 26, 37.095,
212.300

 16, 37.095,
212.300

 6, 37.095, 212.300

■ 0, 37.095, 212.300

■ 76, 37.095,
212.300

■ 76, 37.095,
212.300

■ 75, 38.842,
213.628

■ 77, 34.404,
211.299

■ 74, 39.711,
215.327

■ 79, 30.780,
210.582

■ 73, 39.942,
216.855

■ 80, 26.282,
210.102

■ 82, 21.006,
209.820

■ 84, 15.065,
209.703

■ 86, 8.576, 209.732

■ 88, 1.651, 210.125

■ 91, 5.607, 29.829

■ 92, 10.460, 32.503

Harmonies

Complementary

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



76, 37.095, 212.300



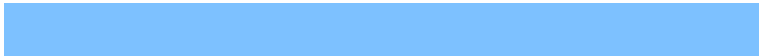
54, 68.067, 36.423

Rectangle

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



76, 37.095, 212.300



76, 37.095, 262.300



76, 37.095, 32.300



76, 37.095, 82.300

Sweetspot

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



76, 37.094, 212.299



95, 16.584, 209.702



79, 89.406, 140.067



50, 11.036, 209.719



0, 0.000, 0.000



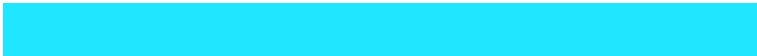
53, 0.007, 296.813

Same Dimension

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



76, 37.094, 212.299



84, 43.643, 214.488



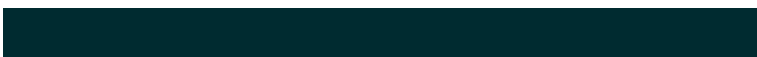
53, 56.541, 282.090



46, 4.010, 209.771



59, 33.524, 216.494



15, 13.955, 212.837

Inverse Universe

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



56, 85.803, 331.831



60, 103.576, 332.647



70, 59.643, 75.226



44, 7.552, 328.156



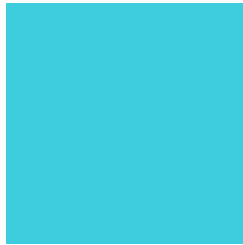
41, 80.177, 333.226



7, 33.321, 332.314

Previews

White Background



This preview shows how the CIELCh color 76, 37.095, 212.300 looks on a white background.

Color Contrast Check

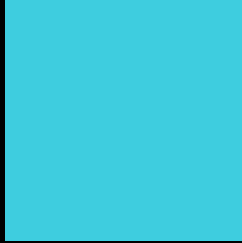
Large Text (above 18pt) WCAG AA × Fail

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 76, 37.095, 212.300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

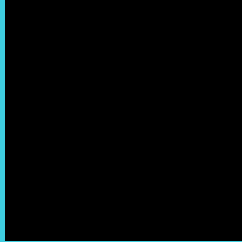
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 37.095, 212.300

Background



This preview shows how black text looks on a background with the CIELCh color 76, 37.095, 212.300.



This preview shows how white text looks on a background with the CIELCh color 76, 37.095, 212.300.

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](#).

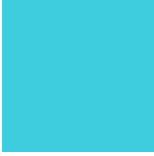
Dichromacy



Original Color
76, 37.095, 212.300

Protanopia
76, 12.968, 286.749

Deuteranopia
76, 24.853, 293.237

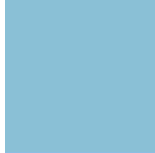


Tritanopia
76, 37.210, 211.360

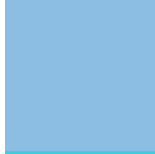
Trichromacy



Original Color
76, 37.095, 212.300



Protanomaly
75, 20.594, 233.856



Deuteranomaly
75, 24.531, 251.572

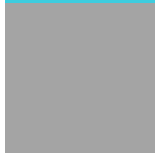


Tritanomaly
76, 37.210, 211.360

Monochromacy



Original Color
76, 37.095, 212.300



Achromatopsia
67, 0.008, 296.813



Achromatomaly
70, 17.740, 208.825

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 37.095, 212.300 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(62, 205, 223)` looks like.

```
.text, #text, p{  
    color:rgb(62, 205, 223)  
}
```

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(62, 205, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 205, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 37.095, 212.300 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(62, 205, 223) }
```

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

```
.border{ border-color:rgb(62, 205, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 205, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 205, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 205, 223);  
box-shadow:4px 4px 4px 4px rgb(62, 205,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 37.095, 212.300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 205, 223) }
```

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

```
.background{ background-color: rgb(62, 205,  
223) }
```

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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