

Converting Colors

CIELCh(77, 36.769, 209.101)

Have a look what the booklet for
CIELCh(77, 36.769, 209.101)
contains.

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Color

CIELCh(77, 36.776, 208.889)

Conversions

Conversions Part 1

Format	Color
Hex	45D0DE
RGB	69, 208, 222
RGB Percent	27%, 82%, 87%
CMY	0.7305, 0.1851, 0.1302
CMYK	0.69, 0.06, 0.00, 0.13
HSL	185°, 70%, 57%
HSV	185°, 69%, 87%
XYZ	38.0992, 51.5317, 76.9039
YIQ	168.0350, -87.3380, -25.1140

Conversions

Conversions Part 2

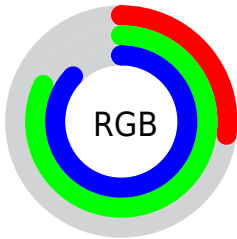
Format	Color
RYB	69, 142, 222
Decimal	4575454
CIELab	77.00, -32.20, -17.77
CIELCh	77, 36.776, 208.889
Yxy	51.5317, 0.2288, 0.3094
Android (android.graphics.Color)	4282765534 (0xFF45D0DE)
YUV	168.0350, 26.6047, -86.8537
Hunter-Lab	71.7856, -30.8885, -13.2674

Details

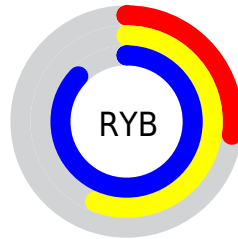
The CIELCh color **77, 36.776, 208.889** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **54, 64.996, 34.638**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.142, 197.260**, and **58, 32.972, 210.874** is the 20% darker color. If you saturate the color by 10%, you get **76, 38.849, 209.815**, and if you desaturate by 10%, it is **78, 33.742, 208.220**.

Distribution



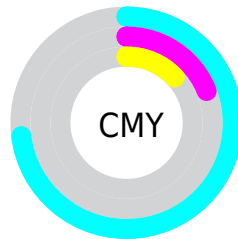
- Red (27%)
- Green (82%)
- Blue (87%)



- Red (27%)
- Yellow (56%)
- Blue (87%)



- Cyan (69%)
- Magenta (6%)
- Yellow (0%)
- Black (13%)



- Cyan (73%)
- Magenta (19%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 36.776, 208.889 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, 36.776, 208.889 by changing the saturation by 10% instead.

 77, 36.776,
208.889

 77, 36.776,
208.889


 100, 36.776,
208.889


 67, 36.776,
208.889


 97, 36.776,
208.889

 57, 36.776,
208.889

 47, 36.776,
208.889

 37, 36.776,
208.889

 27, 36.776,
208.889

 17, 36.776,
208.889

 7, 36.776, 208.889

0, 36.776, 208.889

77, 36.776,
208.889

77, 36.776,
208.889

76, 38.849,
209.815

78, 33.742,
208.220

75, 39.998,
211.036

79, 29.776,
207.778

74, 40.384,
212.548

81, 24.951,
207.525

74, 40.409,
212.704

83, 19.372,
207.432

85, 13.156,
207.475

86, 6.420, 207.655

■ 89, 0.721, 26.939

■ 91, 8.170, 27.974

■ 92, 10.866, 31.670

Harmonies

Complementary

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



77, 36.776, 208.889



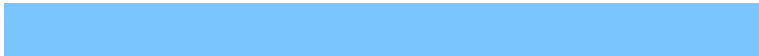
54, 64.996, 34.638

Rectangle

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



77, 36.776, 208.889



77, 36.776, 258.889



77, 36.776, 28.889



77, 36.776, 78.889

Sweetspot

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



77, 36.775, 208.888



95, 16.157, 207.456



78, 86.924, 140.101



50, 10.831, 207.438



0, 0.000, 0.000



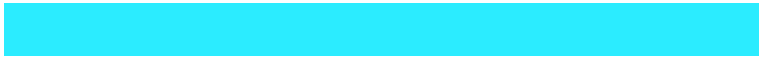
53, 0.007, 296.813

Same Dimension

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



77, 36.775, 208.888



86, 43.880, 210.343



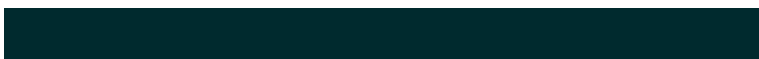
55, 52.274, 279.465



45, 4.003, 207.643



59, 33.668, 212.405



15, 13.718, 209.365

Inverse Universe

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



56, 84.196, 330.885



61, 103.491, 331.572



70, 56.528, 74.275



43, 7.516, 327.532



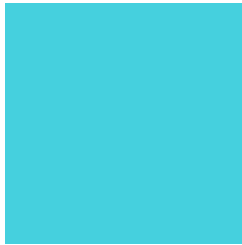
40, 80.584, 332.223



7, 32.417, 331.406

Previews

White Background



This preview shows how the CIE LCh color 77, 36.776, 208.889 looks on a white background.

Color Contrast Check

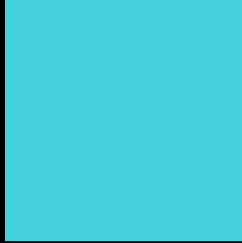
Large Text (above 18pt) WCAG AA × Fail

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, 36.776, 208.889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

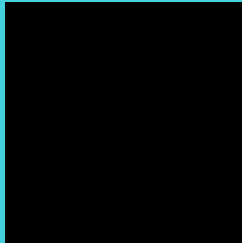
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 36.776, 208.889

Background



This preview shows how black text looks on a background with the CIELCh color 77, 36.776, 208.889.

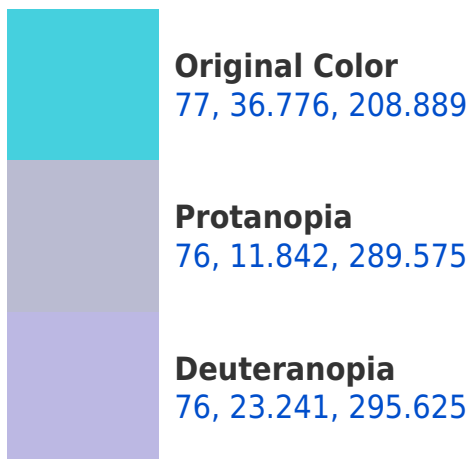


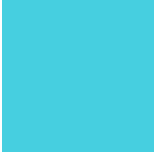
This preview shows how white text looks on a background with the CIELCh color 77, 36.776, 208.889.

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



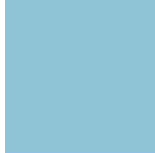


Tritanopia
77, 36.436, 211.708

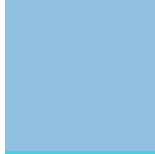
Trichromacy



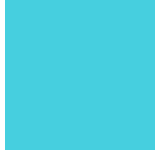
Original Color
77, 36.776, 208.889



Protanomaly
76, 19.382, 230.445



Deuteranomaly
76, 22.474, 249.142

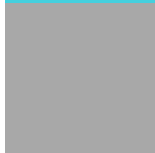


Tritanomaly
77, 36.435, 210.811

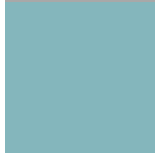
Monochromacy



Original Color
77, 36.776, 208.889



Achromatopsia
69, 0.009, 296.813



Achromatomaly
71, 17.129, 209.237

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 36.776, 208.889 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(69, 208, 222)` looks like.

```
.text, #text, p{  
    color:rgb(69, 208, 222)  
}
```

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(69, 208, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 208, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 36.776, 208.889 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(69, 208, 222) }
```

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

```
.border{ border-color:rgb(69, 208, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 208, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 208, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 208, 222);  
box-shadow:4px 4px 4px 4px rgb(69, 208,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 36.776, 208.889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 208, 222) }
```

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

```
.background{ background-color: rgb(69, 208,  
222) }
```

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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