

Converting Colors

CIELCh(77, 68.792, 153.146)

Have a look what the booklet for
CIELCh(77, 68.792, 153.146)
contains.

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Color

CIELCh(77, 68.932, 153.158)

Conversions

Conversions Part 1

Format	Color
Hex	2BD982
RGB	43, 217, 130
RGB Percent	17%, 85%, 51%
CMY	0.8303, 0.1506, 0.4917
CMYK	0.80, 0.00, 0.40, 0.15
HSL	150°, 69%, 51%
HSV	150°, 80%, 85%
XYZ	29.7166, 51.5317, 29.3669
YIQ	155.0560, -75.7770, -63.9450

Conversions

Conversions Part 2

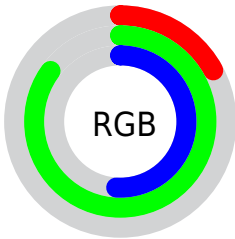
Format	Color
RYB	43, 159, 217
Decimal	2873730
CIELab	77.00, -61.50, 31.12
CIELCh	77, 68.932, 153.158
Yxy	51.5317, 0.2686, 0.4659
Android (android.graphics.Color)	4281063810 (0xFF2BD982)
YUV	155.0560, -12.3526, -98.2731
Hunter-Lab	71.7856, -51.7324, 25.9949

Details

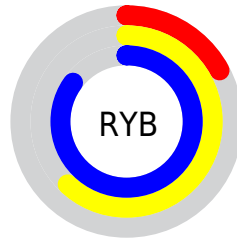
The CIELCh color **77, 68.932, 153.158** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **50, 70.535, 355.168**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 57.929, 156.834**, and **58, 63.400, 148.941** is the 20% darker color. If you saturate the color by 10%, you get **77, 74.500, 151.035**, and if you desaturate by 10%, it is **78, 62.460, 155.072**.

Distribution



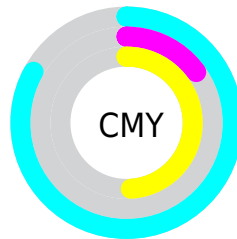
- Red (17%)
- Green (85%)
- Blue (51%)



- Red (17%)
- Yellow (62%)
- Blue (85%)



- Cyan (80%)
- Magenta (0%)
- Yellow (40%)
- Black (15%)



- Cyan (83%)
- Magenta (15%)
- Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 68.932, 153.158 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, 68.932, 153.158 by changing the saturation by 10% instead.

 77, 68.932,
153.158

 77, 68.932,
153.158

 100, 68.932,
153.158

 67, 68.932,
153.158


 97, 68.932,
153.158

 57, 68.932,
153.158

 47, 68.932,
153.158

 37, 68.932,
153.158

 27, 68.932,
153.158

 17, 68.932,
153.158

 7, 68.932, 153.158

■ 0, 68.932, 153.158

■ 77, 68.932,
153.158

■ 77, 68.932,
153.158

■ 77, 74.500,
151.035

■ 78, 62.460,
155.072

■ 76, 79.289,
148.796

■ 78, 55.109,
156.774

■ 79, 46.980,
158.275

■ 80, 38.215,
159.598

■ 82, 28.981,
160.768

■ 83, 19.441,
161.812

■ 85, 9.744, 162.762

■ 87, 0.018, 187.900

■ 89, 9.641, 344.271

Harmonies

Complementary

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



77, 68.932, 153.158



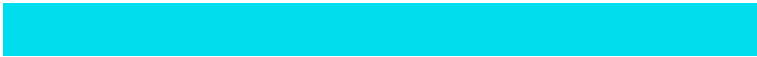
50, 70.535, 355.168

Rectangle

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



77, 68.932, 153.158



77, 68.932, 203.158



77, 68.932, 333.158



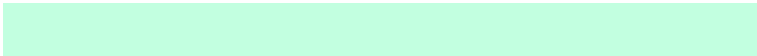
77, 68.932, 23.158

Sweetspot

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



77, 68.933, 153.158



95, 26.552, 161.388



79, 86.755, 125.924



50, 18.200, 161.009



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, 68.933, 153.158



89, 88.036, 149.477



79, 42.694, 194.378



44, 5.467, 162.818



61, 65.885, 149.201



14, 23.386, 154.285

Inverse Universe

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



50, 70.535, 355.168



55, 84.273, 1.078



48, 77.447, 33.031



42, 5.536, 344.298



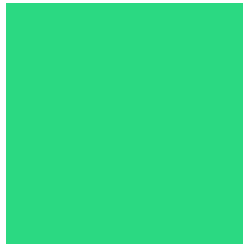
37, 62.824, 1.565



5, 23.546, 354.151

Previews

White Background



This preview shows how the CIELCh color 77, 68.932, 153.158 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, 68.932, 153.158 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, 68.932, 153.158

Background



This preview shows how black text looks on a background with the CIELCh color 77, 68.932, 153.158.

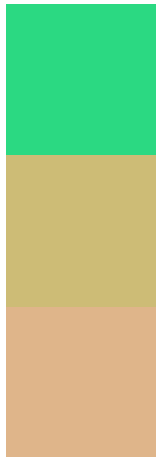


This preview shows how white text looks on a background with the CIELCh color 77, 68.932, 153.158.

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](#).

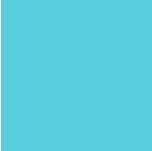
Dichromacy



Original Color
77, 69.017, 153.212

Protanopia
76, 37.726, 95.685

Deuteranopia
76, 29.192, 71.253



Tritanopia
77, 33.486, 212.242

Trichromacy



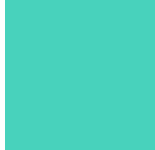
Original Color
77, 69.017, 153.212



Protanomaly
75, 45.057, 133.368



Deuteranomaly
75, 34.478, 131.439



Tritanomaly
77, 42.059, 179.955

Monochromacy



Original Color
77, 69.017, 153.212



Achromatopsia
64, 0.008, 296.813



Achromatomaly
67, 28.788, 160.694

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 68.932, 153.158 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(43, 217, 130)` looks like.

```
.text, #text, p{  
    color:rgb(43, 217, 130)  
}
```

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(43, 217, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 217, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 68.932, 153.158 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(43, 217, 130) }
```

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

```
.border{ border-color:rgb(43, 217, 130) }
```

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

Here you see how a box with a 4 pixel rgb(43, 217, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 217, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 217, 130);  
box-shadow:4px 4px 4px 4px rgb(43, 217,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 68.932, 153.158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 217, 130) }
```

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

```
.background{ background-color: rgb(43, 217,  
130) }
```

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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