

Converting Colors

CIELCh(75, 51.517, 168.634)

Have a look what the booklet for
CIELCh(75, 51.517, 168.634)
contains.

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Color

CIELCh(75, 51.684, 168.361)

Conversions

Conversions Part 1

Format	Color
Hex	2ED0A4
RGB	46, 208, 164
RGB Percent	18%, 82%, 64%
CMY	0.8207, 0.1850, 0.3575
CMYK	0.78, 0.00, 0.21, 0.18
HSL	164°, 64%, 50%
HSV	164°, 78%, 82%
XYZ	30.3151, 48.2781, 42.7674
YIQ	154.5460, -82.4280, -48.0280

Conversions

Conversions Part 2

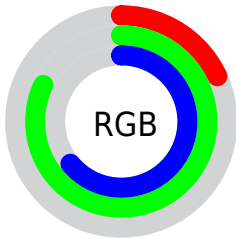
Format	Color
RYB	46, 140, 208
Decimal	3068068
CIELab	75.00, -50.62, 10.43
CIELCh	75, 51.684, 168.361
Yxy	48.2781, 0.2498, 0.3978
Android (android.graphics.Color)	4281258148 (0xFF2ED0A4)
YUV	154.5460, 4.6608, -95.1948
Hunter-Lab	69.4824, -43.7150, 12.1439

Details

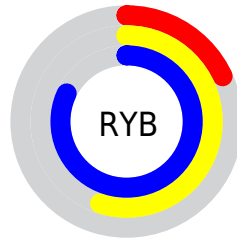
The CIELCh color **75, 51.684, 168.361** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **47, 65.700, 13.204**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 46.261, 172.712**, and **56, 45.586, 165.261** is the 20% darker color. If you saturate the color by 10%, you get **75, 55.224, 166.486**, and if you desaturate by 10%, it is **76, 47.291, 170.043**.

Distribution



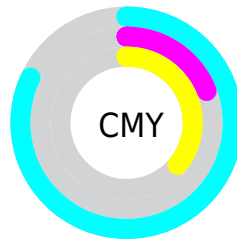
- Red (18%)
- Green (82%)
- Blue (64%)



- Red (18%)
- Yellow (55%)
- Blue (82%)



- Cyan (78%)
- Magenta (0%)
- Yellow (21%)
- Black (18%)





- Cyan (82%)
- Magenta (19%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 51.684, 168.361 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 75, 51.684, 168.361 by changing the saturation by 10% instead.


 75, 51.684,
168.361


 75, 51.684,
168.361


 100, 51.684,
168.361


 65, 51.684,
168.361


 95, 51.684,
168.361

 55, 51.684,
168.361

 45, 51.684,
168.361

 35, 51.684,
168.361

 25, 51.684,
168.361

 15, 51.684,
168.361

 5, 51.684, 168.361

■ 0, 51.684, 168.361

■ 75, 51.684,
168.361

■ 75, 51.684,
168.361

■ 75, 55.224,
166.486

■ 76, 47.291,
170.043

■ 74, 58.018,
164.436

■ 76, 42.048,
171.550

■ 74, 58.544,
164.029

■ 77, 36.021,
172.907

■ 78, 29.317,
174.137

■ 79, 22.067,
175.264

■ 81, 14.408,
176.313

■ 82, 6.469, 177.321

■ 84, 1.634, 357.843

■ 86, 9.807, 358.957

Harmonies

Complementary

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



75, 51.684, 168.361



47, 65.700, 13.204

Rectangle

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



75, 51.684, 168.361



75, 51.684, 218.361



75, 51.684, 348.361



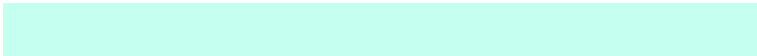
75, 51.684, 38.361

Sweetspot

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



75, 51.684, 168.360



96, 21.572, 175.768



74, 88.332, 132.652



51, 14.840, 175.380



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 51.684, 168.360



90, 66.810, 165.036



66, 35.104, 231.506



43, 4.606, 177.176



61, 49.783, 164.370



14, 17.805, 169.132

Inverse Universe

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



47, 65.700, 13.204



54, 86.786, 21.513



51, 66.384, 43.158



41, 4.746, 358.808



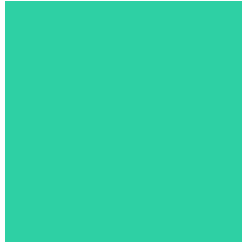
35, 65.011, 23.214



4, 20.397, 6.952

Previews

White Background



This preview shows how the CIELCh color 75, 51.684, 168.361 looks on a white background.

Color Contrast Check

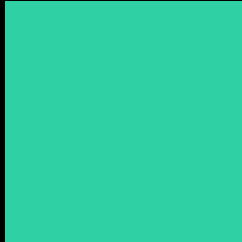
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 75, 51.684, 168.361 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

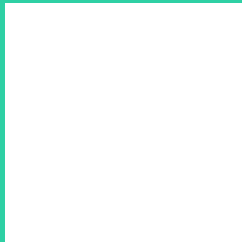
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 51.684, 168.361

Background



This preview shows how black text looks on a background with the CIELCh color 75, 51.684, 168.361.

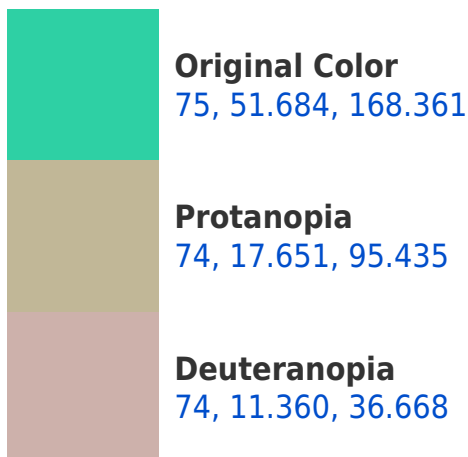


This preview shows how white text looks on a background with the CIELCh color 75, 51.684, 168.361.

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
75, 34.451, 211.787

Trichromacy



Original Color
75, 51.684, 168.361



Protanomaly
73, 27.789, 152.929



Deuteranomaly
73, 18.662, 162.392



Tritanomaly
75, 38.169, 192.531

Monochromacy



Original Color
75, 51.684, 168.361



Achromatopsia
64, 0.008, 296.813



Achromatomaly
67, 22.871, 174.669

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 51.684, 168.361 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(46, 208, 164)` looks like.

```
.text, #text, p{  
    color:rgb(46, 208, 164)  
}
```

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(46, 208, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 208, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 51.684, 168.361 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(46, 208, 164) }
```

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

```
.border{ border-color:rgb(46, 208, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 208, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 208, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 208, 164);  
box-shadow:4px 4px 4px 4px rgb(46, 208,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 51.684, 168.361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 208, 164) }
```

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

```
.background{ background-color: rgb(46, 208,  
164) }
```

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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