

Converting Colors

CIELCh(75, 55.633, 165.181)

Have a look what the booklet for
CIELCh(75, 55.633, 165.181)
contains.

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Color

CIELCh(75, 55.627, 165.267)

Conversions

Conversions Part 1

Format	Color
Hex	22D19D
RGB	34, 209, 157
RGB Percent	13%, 82%, 62%
CMY	0.8681, 0.1811, 0.3849
CMYK	0.84, 0.00, 0.25, 0.18
HSL	162°, 72%, 48%
HSV	162°, 84%, 82%
XYZ	29.4772, 48.2781, 39.5910
YIQ	150.7470, -87.6080, -53.2720

Conversions

Conversions Part 2

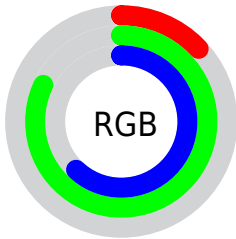
Format	Color
RYB	34, 137, 209
Decimal	2281885
CIELab	75.00, -53.80, 14.15
CIELCh	75, 55.627, 165.267
Yxy	48.2781, 0.2512, 0.4114
Android (android.graphics.Color)	4280471965 (0xFF22D19D)
YUV	150.7470, 3.0827, -102.3871
Hunter-Lab	69.4824, -45.8675, 14.8544

Details

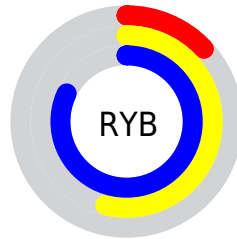
The CIELCh color **75, 55.627, 165.267** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **46, 68.955, 13.620**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 49.485, 169.564**, and **56, 48.410, 161.638** is the 20% darker color. If you saturate the color by 10%, you get **75, 58.942, 163.218**, and if you desaturate by 10%, it is **75, 51.495, 167.115**.

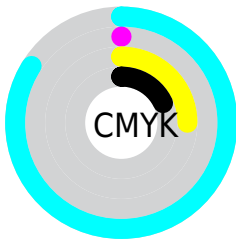
Distribution



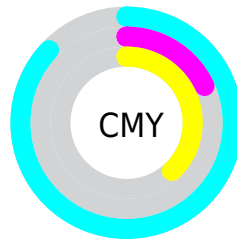
- Red (13%)
- Green (82%)
- Blue (62%)



- Red (13%)
- Yellow (54%)
- Blue (82%)



- Cyan (84%)
- Magenta (0%)
- Yellow (25%)
- Black (18%)





- Cyan (87%)
- Magenta (18%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 55.627, 165.267 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, 55.627, 165.267 by changing the saturation by 10% instead.


 75, 55.627,
165.267


 75, 55.627,
165.267


 100, 55.627,
165.267


 65, 55.627,
165.267


 95, 55.627,
165.267

 55, 55.627,
165.267

 45, 55.627,
165.267

 35, 55.627,
165.267

 25, 55.627,
165.267

 15, 55.627,
165.267

 5, 55.627, 165.267

■ 0, 55.627, 165.267

■ 75, 55.627,
165.267

■ 75, 55.627,
165.267

■ 75, 58.942,
163.218

■ 75, 51.495,
167.115

■ 75, 60.698,
161.921

■ 76, 46.505,
168.771

■ 77, 40.691,
170.252

■ 78, 34.144,
171.584

■ 79, 26.987,
172.792

■ 80, 19.357,
173.899

■ 81, 11.390,
174.932

■ 83, 3.212, 175.986

■ 85, 5.070, 356.620

Harmonies

Complementary

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



75, 55.627, 165.267



46, 68.955, 13.620

Rectangle

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



75, 55.627, 165.267



75, 55.627, 215.267



75, 55.627, 345.267



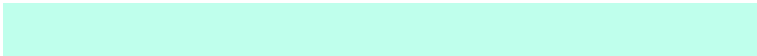
75, 55.627, 35.267

Sweetspot

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



75, 55.627, 165.266



95, 23.768, 173.750



75, 92.310, 132.344



50, 16.122, 173.362



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, 55.627, 165.266



89, 70.872, 161.647



66, 36.156, 230.187



43, 4.674, 175.383



61, 51.403, 162.278



14, 18.275, 167.207

Inverse Universe

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



46, 68.955, 13.620



54, 88.444, 22.647



49, 72.979, 42.713



41, 4.804, 357.018



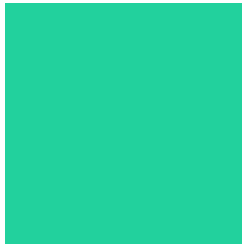
35, 64.188, 20.969



4, 20.483, 5.718

Previews

White Background



This preview shows how the CIELCh color 75, 55.627, 165.267 looks on a white background.

Color Contrast Check

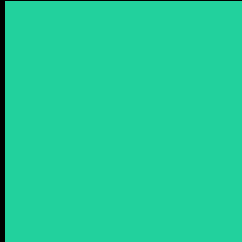
Large Text (above 18pt) WCAG AA × Fail

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, 55.627, 165.267 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

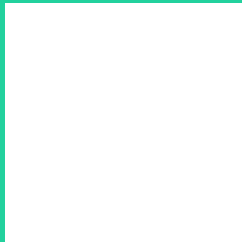
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 55.627, 165.267

Background



This preview shows how black text looks on a background with the CIELCh color 75, 55.627, 165.267.

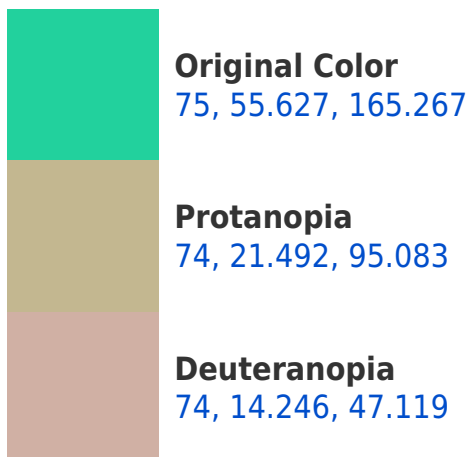


This preview shows how white text looks on a background with the CIELCh color 75, 55.627, 165.267.

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, 34.898, 211.567

Trichromacy



Original Color
75, 55.627, 165.267



Protanomaly
73, 31.386, 149.451



Deuteranomaly
73, 21.782, 155.524



Tritanomaly
75, 39.882, 189.436

Monochromacy



Original Color
75, 55.627, 165.267



Achromatopsia
62, 0.008, 296.813



Achromatomaly
66, 25.152, 172.454

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 55.627, 165.267 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(34, 209, 157)` looks like.

```
.text, #text, p{  
    color:rgb(34, 209, 157)  
}
```

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(34, 209, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 209, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 55.627, 165.267 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(34, 209, 157) }
```

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

```
.border{ border-color:rgb(34, 209, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 209, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 209, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 209, 157);  
box-shadow:4px 4px 4px 4px rgb(34, 209,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 55.627, 165.267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 209, 157) }
```

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

```
.background{ background-color: rgb(34, 209,  
157) }
```

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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