

Converting Colors

CIELCh(78, 78.297, 149.281)

Have a look what the booklet for
CIELCh(78, 78.297, 149.281)
contains.

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Color

CIELCh(78, 78.344, 149.200)

Conversions

Conversions Part 1

Format	Color
Hex	18DD72
RGB	24, 221, 114
RGB Percent	9%, 87%, 45%
CMY	0.9041, 0.1327, 0.5524
CMYK	0.89, 0.00, 0.48, 0.13
HSL	147°, 80%, 48%
HSV	147°, 89%, 87%
XYZ	29.3298, 53.2120, 24.6861
YIQ	149.8990, -83.0650, -75.0410

Conversions

Conversions Part 2

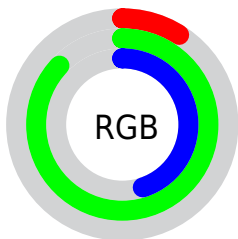
Format	Color
RYB	24, 159, 221
Decimal	1629554
CIELab	78.00, -67.29, 40.12
CIELCh	78, 78.344, 149.200
Yxy	53.2120, 0.2735, 0.4963
Android (android.graphics.Color)	4279819634 (0xFF18DD72)
YUV	149.8990, -17.6982, -110.4134
Hunter-Lab	72.9466, -55.8867, 30.9980

Details

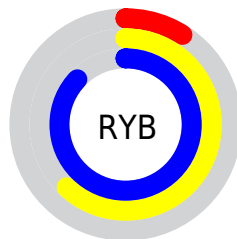
The CIELCh color **78, 78.344, 149.200** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **49, 75.588, 354.528**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 65.540, 152.129**, and **59, 71.058, 144.245** is the 20% darker color. If you saturate the color by 10%, you get **78, 83.554, 146.976**, and if you desaturate by 10%, it is **78, 72.263, 151.288**.

Distribution



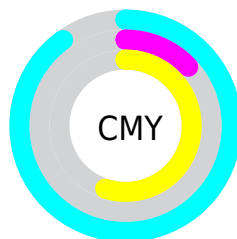
- Red (9%)
- Green (87%)
- Blue (45%)



- Red (9%)
- Yellow (62%)
- Blue (87%)



- Cyan (89%)
- Magenta (0%)
- Yellow (48%)
- Black (13%)



- Cyan (90%)
- Magenta (13%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 78.344, 149.200 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 78, 78.344, 149.200 by changing the saturation by 10% instead.


 78, 78.344,
149.200

 78, 78.344,
149.200


 100, 78.344,
149.200

 68, 78.344,
149.200

 98, 78.344,
149.200

 58, 78.344,
149.200

 48, 78.344,
149.200

 38, 78.344,
149.200

 28, 78.344,
149.200

 18, 78.344,
149.200

 8, 78.344, 149.200

■ 0, 78.344, 149.200

■ 78, 78.344,
149.200

■ 78, 78.344,
149.200

■ 78, 83.554,
146.976

■ 78, 72.263,
151.288

■ 78, 84.081,
146.750

■ 79, 65.227,
153.173

■ 80, 57.286,
154.846

■ 81, 48.557,
156.318

■ 82, 39.202,
157.611

■ 83, 29.398,
158.750

■ 85, 19.318,
159.760

■ 86, 9.115, 160.677

■ 88, 1.084, 341.043

Harmonies

Complementary

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



78, 78.344, 149.200



49, 75.588, 354.528

Rectangle

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



78, 78.344, 149.200



78, 78.344, 199.200



78, 78.344, 329.200



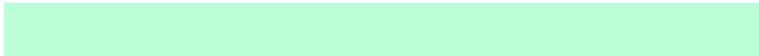
78, 78.344, 19.200

Sweetspot

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



78, 78.344, 149.200



95, 30.816, 158.933



80, 92.486, 125.291



50, 20.719, 158.564



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 78.344, 149.200



88, 94.021, 146.554



80, 45.913, 189.658



45, 5.748, 160.634



62, 69.521, 147.152



15, 25.347, 151.894

Inverse Universe

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



49, 75.588, 354.528



55, 85.384, 358.713



47, 84.853, 34.646



43, 5.809, 342.065



37, 64.146, 357.688



6, 25.566, 351.354

Previews

White Background



This preview shows how the CIE LCh color 78, 78.344, 149.200 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 78, 78.344, 149.200 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 78, 78.344, 149.200

Background



This preview shows how black text looks on a background with the CIELCh color 78, 78.344, 149.200.

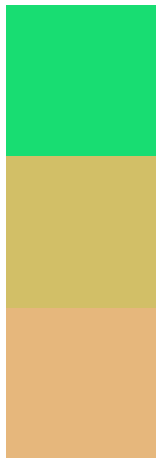


This preview shows how white text looks on a background with the CIELCh color 78, 78.344, 149.200.

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
78, 78.344, 149.200

Protanopia
77, 46.666, 95.783

Deuteranopia
77, 37.629, 75.178



Tritanopia
78, 34.433, 212.688

Trichromacy



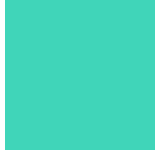
Original Color
78, 78.344, 149.200



Protanomaly
76, 54.667, 130.962



Deuteranomaly
75, 43.878, 128.839



Tritanomaly
77, 45.375, 176.759

Monochromacy



Original Color
78, 78.344, 149.200



Achromatopsia
62, 0.008, 296.813



Achromatomaly
66, 34.079, 157.562

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 78.344, 149.200 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(24, 221, 114)` looks like.

```
.text, #text, p{  
    color:rgb(24, 221, 114)  
}
```

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(24, 221, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 221, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 78.344, 149.200 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(24, 221, 114) }
```

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

```
.border{ border-color:rgb(24, 221, 114) }
```

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

Here you see how a box with a 4 pixel rgb(24, 221, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 221, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 221, 114);  
box-shadow:4px 4px 4px 4px rgb(24, 221,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 78.344, 149.200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 221, 114) }
```

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

```
.background{ background-color: rgb(24, 221,  
114) }
```

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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