

Converting Colors

CIELCh(77, 76.963, 148.948)

Have a look what the booklet for
CIELCh(77, 76.963, 148.948)
contains.

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Color

CIELCh(77, 77.227, 148.819)

Conversions

Conversions Part 1

Format	Color
Hex	20DA70
RGB	32, 218, 112
RGB Percent	13%, 85%, 44%
CMY	0.8759, 0.1457, 0.5613
CMYK	0.85, 0.00, 0.49, 0.15
HSL	146°, 75%, 49%
HSV	146°, 85%, 85%
XYZ	28.5333, 51.5317, 23.7317
YIQ	150.3020, -76.8300, -72.3980

Conversions

Conversions Part 2

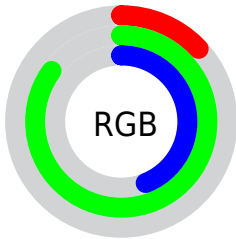
Format	Color
RYB	32, 162, 218
Decimal	2153072
CIELab	77.00, -66.07, 39.98
CIELCh	77, 77.227, 148.819
Yxy	51.5317, 0.2749, 0.4965
Android (android.graphics.Color)	4280343152 (0xFF20DA70)
YUV	150.3020, -18.8829, -103.7509
Hunter-Lab	71.7856, -54.6748, 30.6492

Details

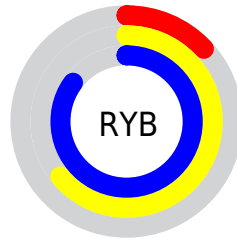
The CIELCh color **77, 77.227, 148.819** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **49, 74.687, 351.530**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 65.967, 151.292**, and **58, 70.358, 144.079** is the 20% darker color. If you saturate the color by 10%, you get **77, 82.798, 146.643**, and if you desaturate by 10%, it is **77, 70.699, 150.822**.

Distribution



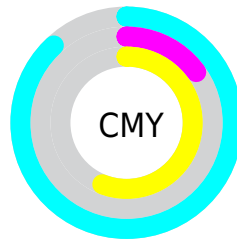
- Red (13%)
- Green (85%)
- Blue (44%)



- Red (13%)
- Yellow (64%)
- Blue (85%)



- Cyan (85%)
- Magenta (0%)
- Yellow (49%)
- Black (15%)



- Cyan (88%)
- Magenta (15%)
- Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 77.227, 148.819 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, 77.227, 148.819 by changing the saturation by 10% instead.

 77, 77.227,
148.819

 77, 77.227,
148.819

 100, 77.227,
148.819

 67, 77.227,
148.819

 97, 77.227,
148.819

 57, 77.227,
148.819

 47, 77.227,
148.819

 37, 77.227,
148.819

 27, 77.227,
148.819

 17, 77.227,
148.819

 7, 77.227, 148.819

■ 0, 77.227, 148.819

■ 77, 77.227,
148.819

■ 77, 77.227,
148.819

■ 77, 82.798,
146.643

■ 77, 70.699,
150.822

■ 77, 85.096,
145.666

■ 78, 63.214,
152.620

■ 79, 54.858,
154.210

■ 80, 45.773,
155.606

■ 81, 36.132,
156.830

■ 83, 26.116,
157.907

■ 84, 15.892,
158.864

■ 86, 5.606, 159.752

■ 88, 4.625, 340.345

Harmonies

Complementary

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



77, 77.227, 148.819



49, 74.687, 351.530

Rectangle

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



77, 77.227, 148.819



77, 77.227, 198.819



77, 77.227, 328.819



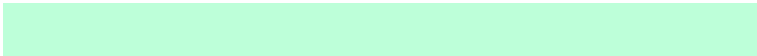
77, 77.227, 18.819

Sweetspot

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



77, 77.227, 148.819



95, 30.277, 157.830



79, 88.739, 123.745



50, 20.487, 157.465



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, 77.227, 148.819



88, 96.286, 145.451



79, 46.192, 185.772



45, 5.856, 159.399



62, 71.193, 146.041



15, 25.926, 150.753

Inverse Universe

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



49, 74.687, 351.530



55, 86.052, 356.369



47, 79.417, 31.101



43, 5.911, 340.799



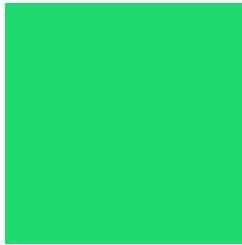
38, 64.686, 355.425



6, 25.895, 349.559

Previews

White Background



This preview shows how the CIELCh color 77, 77.227, 148.819 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, 77.227, 148.819 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, 77.227, 148.819

Background



This preview shows how black text looks on a background with the CIELCh color 77, 77.227, 148.819.

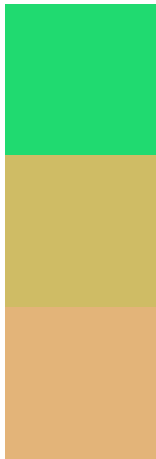


This preview shows how white text looks on a background with the CIELCh color 77, 77.227, 148.819.

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, 77.227, 148.819

Protanopia
76, 46.281, 95.651

Deuteranopia
76, 37.758, 75.098



Tritanopia
77, 33.656, 212.154

Trichromacy



Original Color
77, 77.227, 148.819



Protanomaly
75, 53.835, 130.142



Deuteranomaly
74, 42.903, 127.243



Tritanomaly
76, 44.435, 176.316

Monochromacy



Original Color
77, 77.227, 148.819



Achromatopsia
62, 0.008, 296.813



Achromatomaly
66, 33.144, 156.300

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 77.227, 148.819 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(32, 218, 112)` looks like.

```
.text, #text, p{  
    color:rgb(32, 218, 112)  
}
```

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(32, 218, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 218, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 77.227, 148.819 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(32, 218, 112) }
```

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

```
.border{ border-color:rgb(32, 218, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 218, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 218, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 218, 112);  
box-shadow:4px 4px 4px 4px rgb(32, 218,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 77.227, 148.819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 218, 112) }
```

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

```
.background{ background-color: rgb(32, 218,  
112) }
```

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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