

Converting Colors

CIELCh(77, 88.864, 142.425)

Have a look what the booklet for
CIELCh(77, 88.864, 142.425)
contains.

CIELCh(77, 88.884, 142.404)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(77, 88.884, 142.404)

Conversions

Conversions Part 1

Format	Color
Hex	22DB51
RGB	34, 219, 81
RGB Percent	13%, 86%, 32%
CMY	0.8677, 0.1416, 0.6828
CMYK	0.85, 0.00, 0.63, 0.14
HSL	135°, 73%, 50%
HSV	135°, 85%, 86%
XYZ	27.4342, 51.5317, 16.2642
YIQ	147.9530, -65.9620, -82.1380

Conversions

Conversions Part 2

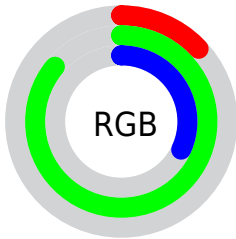
Format	Color
RYB	34, 182, 219
Decimal	2284369
CIELab	77.00, -70.43, 54.23
CIELCh	77, 88.884, 142.404
Yxy	51.5317, 0.2881, 0.5411
Android (android.graphics.Color)	4280474449 (0xFF22DB51)
YUV	147.9530, -33.0078, -99.9368
Hunter-Lab	71.7856, -57.4078, 36.8168

Details

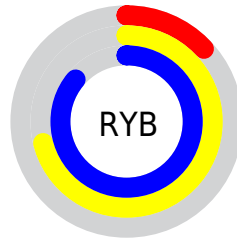
The CIELCh color **77, 88.884, 142.404** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **51, 82.630, 339.653**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 77.253, 143.569**, and **58, 82.049, 137.628** is the 20% darker color. If you saturate the color by 10%, you get **77, 95.055, 140.575**, and if you desaturate by 10%, it is **77, 81.317, 144.175**.

Distribution



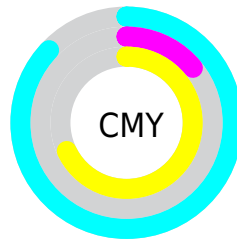
- Red (13%)
- Green (86%)
- Blue (32%)



- Red (13%)
- Yellow (71%)
- Blue (86%)



- Cyan (85%)
- Magenta (0%)
- Yellow (63%)
- Black (14%)



- Cyan (87%)
- Magenta (14%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 88.884, 142.404 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, 88.884, 142.404 by changing the saturation by 10% instead.

 77, 88.884,
142.404

 77, 88.884,
142.404

 100, 88.884,
142.404

 67, 88.884,
142.404

 97, 88.884,
142.404

 57, 88.884,
142.404

 47, 88.884,
142.404

 37, 88.884,
142.404

 27, 88.884,
142.404

 17, 88.884,
142.404

 7, 88.884, 142.404

■ 0, 88.884, 142.404

■ 77, 88.884,
142.404

■ 77, 88.884,
142.404

■ 77, 95.055,
140.575

■ 77, 81.317,
144.175

■ 77, 97.852,
139.646

■ 78, 72.494,
145.811

■ 79, 62.612,
147.278

■ 80, 51.903,
148.568

■ 81, 40.608,
149.690

■ 83, 28.957,
150.662

■ 85, 17.152,
151.508

■ 86, 5.358, 152.279

■ 89, 6.298, 332.792

Harmonies

Complementary

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



77, 88.884, 142.404



51, 82.630, 339.653

Rectangle

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



77, 88.884, 142.404



77, 88.884, 192.404



77, 88.884, 322.404



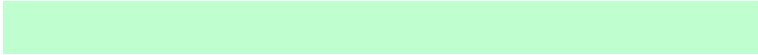
77, 88.884, 12.404

Sweetspot

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



77, 88.884, 142.404



95, 33.329, 150.605



82, 84.692, 116.384



50, 22.724, 150.273



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, 88.884, 142.404



88, 110.233, 139.483



78, 55.011, 168.878



45, 6.670, 151.906



62, 81.653, 139.951



15, 29.520, 144.954

Inverse Universe

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



51, 82.630, 339.653



57, 94.810, 342.019



48, 72.836, 18.026



43, 6.698, 333.101



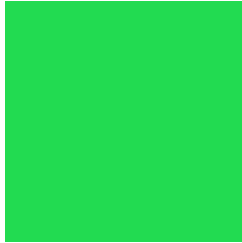
39, 71.310, 341.596



6, 28.897, 338.777

Previews

White Background



This preview shows how the CIELCh color 77, 88.884, 142.404 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, 88.884, 142.404 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, 88.884, 142.404

Background



This preview shows how black text looks on a background with the CIELCh color 77, 88.884, 142.404.

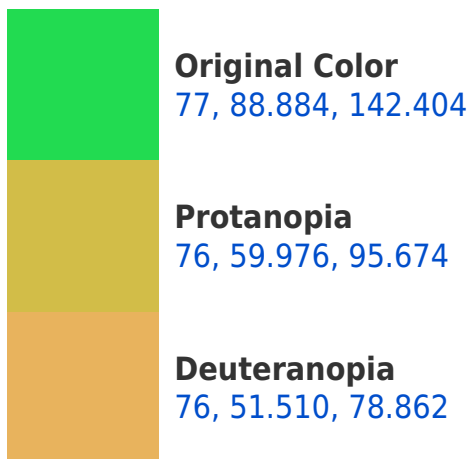


This preview shows how white text looks on a background with the CIELCh color 77, 88.884, 142.404.

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
77, 32.435, 213.829

Trichromacy



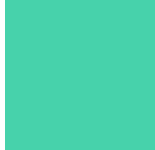
Original Color
77, 88.884, 142.404



Protanomaly
75, 66.578, 123.893



Deuteranomaly
74, 55.790, 119.822



Tritanomaly
76, 47.201, 169.615

Monochromacy



Original Color
77, 88.884, 142.404



Achromatopsia
61, 0.008, 296.813



Achromatomaly
66, 37.684, 149.634

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 88.884, 142.404 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, 219, 81)` looks like.

```
.text, #text, p{  
    color:rgb(34, 219, 81)  
}
```

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, 219, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 219, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 88.884, 142.404 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, 219, 81) }
```

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

```
.border{ border-color:rgb(34, 219, 81) }
```

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

Here you see how a box with a 4 pixel rgb(34, 219, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 219, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 219, 81);  
box-shadow:4px 4px 4px 4px rgb(34, 219,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 88.884, 142.404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 219, 81) }
```

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

```
.background{ background-color: rgb(34, 219,  
81) }
```

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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