

Converting Colors

CIELCh(77, 85.605, 138.677)

Have a look what the booklet for
CIELCh(77, 85.605, 138.677)
contains.

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Color

CIELCh(77, 85.621, 138.646)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 4CD94C |
| RGB | 76, 217, 76 |
| RGB Percent | 30%, 85%, 30% |
| CMY | 0.7032, 0.1500, 0.7029 |
| CMYK | 0.65, 0.00, 0.65, 0.15 |
| HSL | 120°, 65%, 57% |
| HSV | 120°, 65%, 85% |
| XYZ | 28.9959, 51.5317, 15.2103 |
| YIQ | 158.7670, -38.7750, -73.7430 |

Conversions

Conversions Part 2

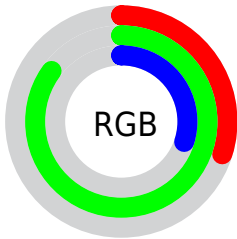
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 76, 217, 217 |
| Decimal | 5036364 |
| CIELab | 77.00, -64.27, 56.57 |
| CIELCh | 77, 85.621, 138.646 |
| Yxy | 51.5317, 0.3029, 0.5383 |
| Android (android.graphics.Color) | 4283226444 (0xFF4CD94C) |
| YUV | 158.7670, -40.8041, -72.5867 |
| Hunter-Lab | 71.7856, -53.5244, 37.6872 |

Details

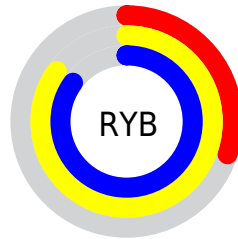
The CIELCh color **77, 85.621, 138.646** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **57, 84.406, 327.640**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 75.005, 138.757**, and **58, 83.462, 136.730** is the 20% darker color. If you saturate the color by 10%, you get **76, 94.649, 137.570**, and if you desaturate by 10%, it is **78, 74.640, 139.788**.

Distribution



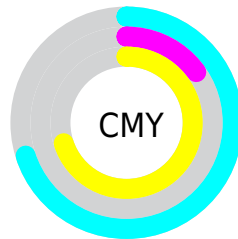
- Red (30%)
- Green (85%)
- Blue (30%)



- Red (30%)
- Yellow (85%)
- Blue (85%)



- Cyan (65%)
- Magenta (0%)
- Yellow (65%)
- Black (15%)



- Cyan (70%)
- Magenta (15%)
- Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 85.621, 138.646 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, 85.621, 138.646 by changing the saturation by 10% instead.

 77, 85.621,
138.646

 77, 85.621,
138.646


 100, 85.621,
138.646

 67, 85.621,
138.646

 97, 85.621,
138.646

 57, 85.621,
138.646

 47, 85.621,
138.646

 37, 85.621,
138.646

 27, 85.621,
138.646

 17, 85.621,
138.646

 7, 85.621, 138.646

0, 85.621, 138.646

77, 85.621,
138.646

77, 85.621,
138.646

76, 94.649,
137.570

78, 74.640,
139.788

76, 101.172,
136.704

79, 62.259,
140.889

76, 104.853,
136.178

80, 48.958,
141.892

76, 105.936,
136.019

82, 35.129,
142.774

84, 21.084,
143.536

86, 7.056, 144.206

■ 88, 6.783, 324.671

■ 90, 20.317,
325.158

■ 91, 23.963,
325.259

Harmonies

Complementary

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



77, 85.621, 138.646



57, 84.406, 327.640

Rectangle

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



77, 85.621, 138.646



77, 85.621, 188.646



77, 85.621, 318.646



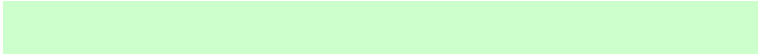
77, 85.621, 8.646

Sweetspot

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



77, 85.621, 138.647



95, 31.950, 143.161



84, 68.712, 104.249



50, 21.805, 142.940



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, 85.621, 138.647



88, 110.045, 137.223



78, 58.872, 156.028



44, 7.833, 143.922



61, 88.715, 136.021



14, 32.156, 141.122

Inverse Universe

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



57, 84.406, 327.640



63, 107.342, 328.006



54, 61.967, 351.678



42, 7.845, 324.951



41, 85.571, 328.253



6, 32.939, 328.059

Previews

White Background



This preview shows how the CIELCh color 77, 85.621, 138.646 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, 85.621, 138.646 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, 85.621, 138.646

Background



This preview shows how black text looks on a background with the CIELCh color 77, 85.621, 138.646.

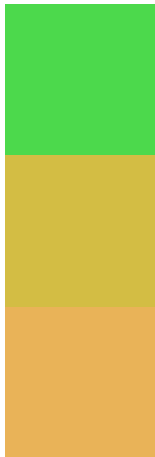


This preview shows how white text looks on a background with the CIELCh color 77, 85.621, 138.646.

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, 85.621, 138.646

Protanopia
76, 61.685, 95.331

Deuteranopia
76, 53.939, 79.286



Tritanopia
77, 28.177, 215.516

Trichromacy



Original Color
77, 85.621, 138.646



Protanomaly
75, 65.638, 118.025



Deuteranomaly
75, 56.115, 112.334



Tritanomaly
76, 42.464, 165.106

Monochromacy



Original Color
77, 85.621, 138.646



Achromatopsia
65, 0.008, 296.813



Achromatomaly
68, 34.150, 142.504

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 85.621, 138.646 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(76, 217, 76)` looks like.

```
.text, #text, p{  
    color:rgb(76, 217, 76)  
}
```

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(76, 217, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 217, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 85.621, 138.646 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(76, 217, 76) }
```

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

```
.border{ border-color:rgb(76, 217, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 217, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 217, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 217, 76);  
box-shadow:4px 4px 4px 4px rgb(76, 217,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 85.621, 138.646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 217, 76) }
```

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

```
.background{ background-color: rgb(76, 217,  
76) }
```

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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