

Converting Colors

CIELCh(78, 77.696, 137.916)

Have a look what the booklet for
CIELCh(78, 77.696, 137.916)
contains.

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Color

CIELCh(78, 77.696, 137.916)

Conversions

Conversions Part 1

Format	Color
Hex	63D959
RGB	99, 217, 89
RGB Percent	39%, 85%, 35%
CMY	0.6103, 0.1476, 0.6497
CMYK	0.54, 0.00, 0.59, 0.15
HSL	115°, 63%, 60%
HSV	115°, 59%, 85%
XYZ	31.9101, 53.2120, 18.1132
YIQ	167.1260, -29.2400, -64.8240

Conversions

Conversions Part 2

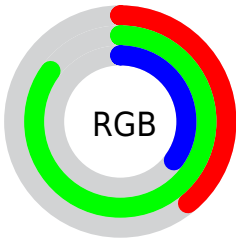
Format	Color
RYB	89, 217, 207
Decimal	6543705
CIELab	78.00, -57.66, 52.07
CIELCh	78, 77.696, 137.916
Yxy	53.2120, 0.3091, 0.5154
Android (android.graphics.Color)	4284733785 (0xFF63D959)
YUV	167.1260, -38.5161, -59.7465
Hunter-Lab	72.9466, -49.5726, 36.3404

Details

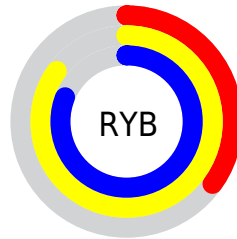
The CIELCh color **78, 77.696, 137.916** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **58, 77.648, 324.969**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 66.414, 137.732**, and **58, 77.776, 137.867** is the 20% darker color. If you saturate the color by 10%, you get **77, 88.117, 137.030**, and if you desaturate by 10%, it is **79, 65.818, 138.841**.

Distribution



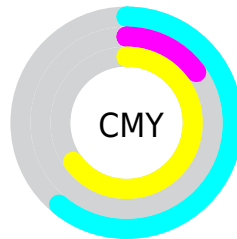
- Red (39%)
- Green (85%)
- Blue (35%)



- Red (35%)
- Yellow (85%)
- Blue (81%)



- Cyan (54%)
- Magenta (0%)
- Yellow (59%)
- Black (15%)





- Cyan (61%)
- Magenta (15%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 77.696, 137.916 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, 77.696, 137.916 by changing the saturation by 10% instead.


 78, 77.696,
137.916


 78, 77.696,
137.916


 100, 77.696,
137.916


 68, 77.696,
137.916


 98, 77.696,
137.916

 58, 77.696,
137.916

 48, 77.696,
137.916

 38, 77.696,
137.916

 28, 77.696,
137.916

 18, 77.696,
137.916

 8, 77.696, 137.916

■ 0, 77.696, 137.916

■ 78, 77.696,
137.916

■ 78, 77.696,
137.916

■ 77, 88.117,
137.030

■ 79, 65.818,
138.841

■ 77, 96.507,
136.300

■ 80, 52.971,
139.726

■ 76, 102.331,
135.864

■ 82, 39.550,
140.531

■ 76, 105.489,
135.749

■ 83, 25.856,
141.242

■ 76, 105.753,
135.727

■ 85, 12.118,
141.866

■ 87, 1.496, 322.198

■ 89, 14.869,
322.797

■ 91, 23.571,
325.245

Harmonies

Complementary

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



78, 77.696, 137.916



58, 77.648, 324.969

Rectangle

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



78, 77.696, 137.916



78, 77.696, 187.916



78, 77.696, 317.916



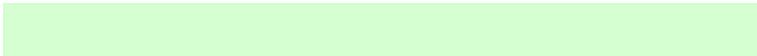
78, 77.696, 7.916

Sweetspot

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



78, 77.697, 137.917



96, 28.024, 141.291



82, 59.259, 100.474



51, 19.486, 141.094



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, 77.697, 137.917



89, 102.257, 136.808



78, 58.414, 153.050



45, 7.788, 141.834



62, 89.259, 135.655



15, 32.993, 138.748

Inverse Universe

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



58, 77.648, 324.969



62, 101.404, 325.262



57, 59.906, 345.356



43, 7.810, 322.765



39, 86.961, 325.187



6, 34.251, 325.467

Previews

White Background



This preview shows how the CIELCh color 78, 77.696, 137.916 looks on a white background.

Color Contrast Check

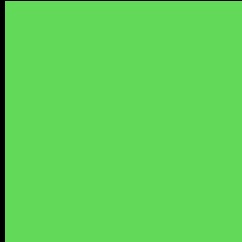
Large Text (above 18pt) WCAG AA × Fail

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, 77.696, 137.916 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, 77.696, 137.916

Background



This preview shows how black text looks on a background with the CIELCh color 78, 77.696, 137.916.

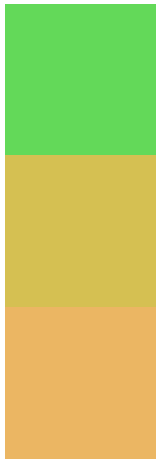


This preview shows how white text looks on a background with the CIELCh color 78, 77.696, 137.916.

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](#).

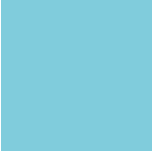
Dichromacy



Original Color
78, 77.696, 137.916

Protanopia
78, 56.946, 95.629

Deuteranopia
77, 50.029, 78.417



Tritanopia
78, 24.749, 218.294

Trichromacy



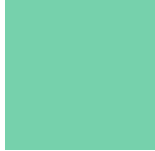
Original Color
78, 77.696, 137.916



Protanomaly
77, 59.906, 116.520



Deuteranomaly
76, 51.608, 109.593



Tritanomaly
78, 37.110, 164.450

Monochromacy



Original Color
78, 77.696, 137.916



Achromatopsia
68, 0.008, 296.813



Achromatomaly
71, 29.988, 141.187

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 77.696, 137.916 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(99, 217, 89)` looks like.

```
.text, #text, p{  
    color:rgb(99, 217, 89)  
}
```

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(99, 217, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 217, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 77.696, 137.916 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(99, 217, 89) }
```

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

```
.border{ border-color:rgb(99, 217, 89) }
```

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

Here you see how a box with a 4 pixel rgb(99, 217, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 217, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 217, 89);  
box-shadow:4px 4px 4px 4px rgb(99, 217,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 77.696, 137.916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 217, 89) }
```

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

```
.background{ background-color: rgb(99, 217,  
89) }
```

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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