

Converting Colors

CIELCh(78, 88.947, 137.009)

Have a look what the booklet for
CIELCh(78, 88.947, 137.009)
contains.

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Color

CIELCh(78, 89.140, 137.002)

Conversions

Conversions Part 1

Format	Color
Hex	50DC44
RGB	80, 220, 68
RGB Percent	31%, 86%, 27%
CMY	0.6870, 0.1379, 0.7340
CMYK	0.64, 0.00, 0.69, 0.14
HSL	115°, 68%, 56%
HSV	115°, 69%, 86%
XYZ	29.8799, 53.2120, 14.1389
YIQ	160.8120, -34.6480, -76.9520

Conversions

Conversions Part 2

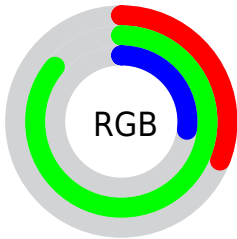
Format	Color
RYB	68, 220, 208
Decimal	5299268
CIELab	78.00, -65.19, 60.79
CIElCh	78, 89.140, 137.002
Yxy	53.2120, 0.3073, 0.5473
Android (android.graphics.Color)	4283489348 (0xFF50DC44)
YUV	160.8120, -45.7563, -70.8721
Hunter-Lab	72.9466, -54.5405, 39.5707

Details

The CIELCh color **78, 89.140, 137.002** 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 **55, 88.552, 325.214**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 77.063, 136.733**, and **59, 86.085, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **77, 97.540, 136.280**, and if you desaturate by 10%, it is **79, 78.674, 137.887**.

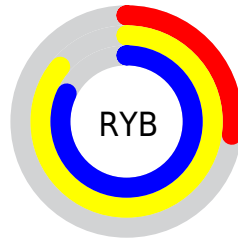
Distribution



Red (31%)

Green (86%)

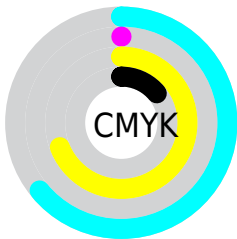
Blue (27%)



Red (27%)

Yellow (86%)

Blue (82%)

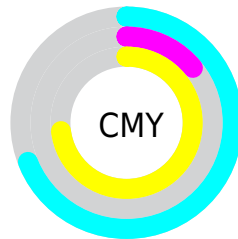


Cyan (64%)

Magenta (0%)

Yellow (69%)

Black (14%)



Cyan (69%)


Magenta (14%)


Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 89.140, 137.002 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, 89.140, 137.002 by changing the saturation by 10% instead.


 78, 89.140,
137.002

 78, 89.140,
137.002


 100, 89.140,
137.002


 68, 89.140,
137.002


 98, 89.140,
137.002

 58, 89.140,
137.002

 48, 89.140,
137.002

 38, 89.140,
137.002

 28, 89.140,
137.002

 18, 89.140,
137.002

 8, 89.140, 137.002

0, 89.140, 137.002

78, 89.140,
137.002

78, 89.140,
137.002

77, 97.540,
136.280

79, 78.674,
137.887

77, 103.336,
135.855

80, 66.719,
138.812

77, 106.455,
135.746

81, 53.775,
139.699

77, 106.660,
135.729

82, 40.241,
140.506

84, 26.425,
141.220

86, 12.561,
141.846

■ 88, 1.183, 322.134

■ 90, 14.686,
322.782

■ 91, 22.012,
325.191

Harmonies

Complementary

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



78, 89.140, 137.002



55, 88.552, 325.214

Rectangle

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



78, 89.140, 137.002



78, 89.140, 187.002



78, 89.140, 317.002



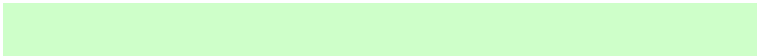
78, 89.140, 7.002

Sweetspot

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



78, 89.140, 137.003



96, 32.715, 141.083



82, 68.259, 99.506



50, 22.149, 140.888



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, 89.140, 137.003



88, 112.445, 136.043



78, 67.383, 151.346



45, 7.787, 141.829



62, 89.258, 135.654



15, 32.991, 138.744

Inverse Universe

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



55, 88.552, 325.214



59, 110.495, 325.339



54, 68.115, 347.008



43, 7.810, 322.760



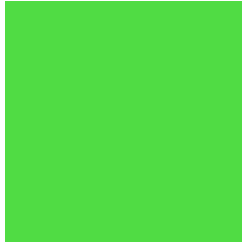
39, 86.962, 325.180



6, 34.250, 325.460

Previews

White Background



This preview shows how the CIELCh color 78, 89.140, 137.002 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, 89.140, 137.002 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

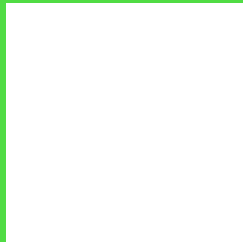
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 89.140, 137.002

Background



This preview shows how black text looks on a background with the CIELCh color 78, 89.140, 137.002.

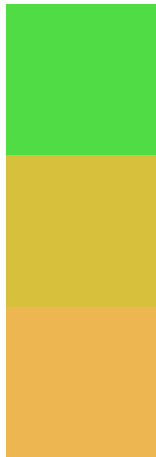


This preview shows how white text looks on a background with the CIELCh color 78, 89.140, 137.002.

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

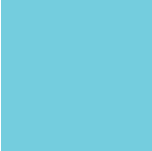
78, 89.140, 137.002

Protanopia

77, 65.914, 95.574

Deuteranopia

77, 58.330, 80.439



Tritanopia
78, 27.828, 216.940

Trichromacy



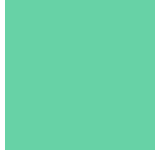
Original Color
78, 89.140, 137.002



Protanomaly
76, 69.758, 116.933



Deuteranomaly
76, 60.738, 111.024



Tritanomaly
77, 43.063, 163.160

Monochromacy



Original Color
78, 89.140, 137.002



Achromatopsia
66, 0.008, 296.813



Achromatomaly
69, 35.852, 140.601

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 89.140, 137.002 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(80, 220, 68)` looks like.

```
.text, #text, p{  
    color:rgb(80, 220, 68)  
}
```

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(80, 220, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 220, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 89.140, 137.002 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(80, 220, 68) }
```

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

```
.border{ border-color:rgb(80, 220, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 220, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 220, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 220, 68);  
box-shadow:4px 4px 4px 4px rgb(80, 220,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 89.140, 137.002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 220, 68) }
```

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

```
.background{ background-color: rgb(80, 220,  
68) }
```

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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