

Converting Colors

CIELCh(78, 85.759, 138.743)

Have a look what the booklet for
CIELCh(78, 85.759, 138.743)
contains.

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Color

CIELCh(78, 85.780, 138.848)

Conversions

Conversions Part 1

Format	Color
Hex	4EDC4F
RGB	78, 220, 79
RGB Percent	31%, 86%, 31%
CMY	0.6954, 0.1383, 0.6912
CMYK	0.65, 0.00, 0.64, 0.14
HSL	120°, 67%, 58%
HSV	120°, 65%, 86%
XYZ	30.0398, 53.2120, 16.0368
YIQ	161.4680, -39.3710, -73.9550

Conversions

Conversions Part 2

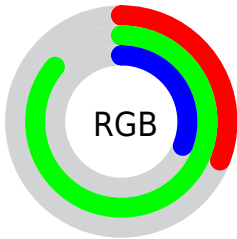
Format	Color
RYB	78, 219, 220
Decimal	5168207
CIELab	78.00, -64.59, 56.45
CIELCh	78, 85.780, 138.848
Yxy	53.2120, 0.3026, 0.5359
Android (android.graphics.Color)	4283358287 (0xFF4EDC4F)
YUV	161.4680, -40.6567, -73.2014
Hunter-Lab	72.9466, -54.1492, 38.0281

Details

The CIELCh color **78, 85.780, 138.848** 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 **58, 84.524, 327.847**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 73.472, 139.002**, and **59, 83.782, 137.134** is the 20% darker color. If you saturate the color by 10%, you get **77, 95.017, 137.742**, and if you desaturate by 10%, it is **79, 74.628, 140.005**.

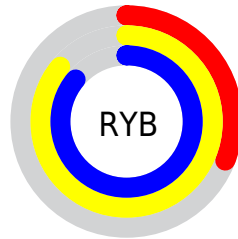
Distribution



Red (31%)

Green (86%)

Blue (31%)



Red (31%)

Yellow (86%)

Blue (86%)

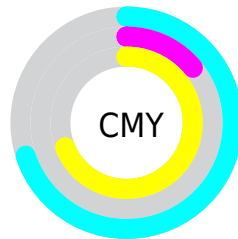


Cyan (65%)

Magenta (0%)

Yellow (64%)

Black (14%)



Cyan (70%)

Magenta (14%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 85.780, 138.848 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, 85.780, 138.848 by changing the saturation by 10% instead.

 78, 85.780,
138.848

 78, 85.780,
138.848

 100, 85.780,
138.848

 68, 85.780,
138.848

 98, 85.780,
138.848

 58, 85.780,
138.848

 48, 85.780,
138.848

 38, 85.780,
138.848

 28, 85.780,
138.848

 18, 85.780,
138.848

 8, 85.780, 138.848

0, 85.780, 138.848

78, 85.780,
138.848

78, 85.780,
138.848

77, 95.017,
137.742

79, 74.628,
140.005

77, 101.787,
136.828

80, 62.105,
141.110

77, 105.729,
136.240

81, 48.682,
142.113

77, 106.914,
136.066

83, 34.748,
142.992

85, 20.608,
143.752

87, 6.497, 144.422

■ 89, 7.419, 324.884

■ 91, 21.025,
325.367

■ 91, 22.077,
325.193

Harmonies

Complementary

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



78, 85.780, 138.848



58, 84.524, 327.847

Rectangle

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



78, 85.780, 138.848



78, 85.780, 188.848



78, 85.780, 318.848



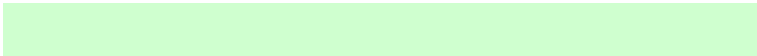
78, 85.780, 8.848

Sweetspot

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



78, 85.780, 138.849



96, 30.201, 143.423



85, 69.106, 104.276



50, 20.795, 143.201



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, 85.780, 138.849



88, 109.714, 137.345



79, 59.203, 156.092



45, 7.948, 144.107



62, 89.557, 136.083



15, 33.595, 140.356

Inverse Universe

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



58, 84.524, 327.847



63, 106.819, 328.245



55, 62.336, 351.601



43, 7.960, 325.141



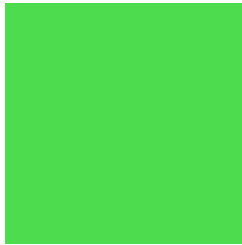
41, 86.039, 328.535



7, 34.375, 328.421

Previews

White Background



This preview shows how the CIELCh color 78, 85.780, 138.848 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, 85.780, 138.848 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, 85.780, 138.848

Background



This preview shows how black text looks on a background with the CIELCh color 78, 85.780, 138.848.

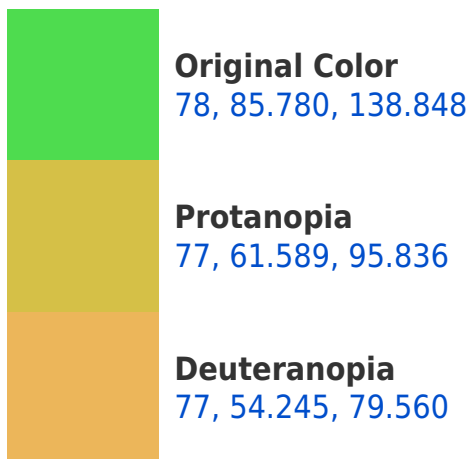


This preview shows how white text looks on a background with the CIELCh color 78, 85.780, 138.848.

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
78, 28.418, 215.309

Trichromacy



Original Color
78, 85.780, 138.848



Protanomaly
76, 65.724, 118.384



Deuteranomaly
76, 56.554, 112.704

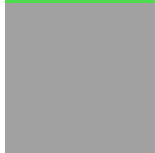


Tritanomaly
77, 42.636, 165.354

Monochromacy



Original Color
78, 85.780, 138.848



Achromatopsia
66, 0.008, 296.813



Achromatomaly
69, 34.048, 142.541

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 85.780, 138.848 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(78, 220, 79)` looks like.

```
.text, #text, p{  
    color:rgb(78, 220, 79)  
}
```

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(78, 220, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 220, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 85.780, 138.848 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(78, 220, 79) }
```

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

```
.border{ border-color:rgb(78, 220, 79) }
```

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

Here you see how a box with a 4 pixel rgb(78, 220, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 220, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 220, 79);  
box-shadow:4px 4px 4px 4px rgb(78, 220,  
79) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 85.780, 138.848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 220, 79) }
```

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

```
.background{ background-color: rgb(78, 220,  
79) }
```

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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