

Converting Colors

CIELCh(78, 63.722, 142.356)

Have a look what the booklet for
CIELCh(78, 63.722, 142.356)
contains.

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Color

CIELCh(78, 63.787, 142.211)

Conversions

Conversions Part 1

Format	Color
Hex	6ED775
RGB	110, 215, 117
RGB Percent	43%, 84%, 46%
CMY	0.5685, 0.1568, 0.5411
CMYK	0.49, 0.00, 0.46, 0.16
HSL	124°, 57%, 64%
HSV	124°, 49%, 84%
XYZ	33.9504, 53.2120, 25.3167
YIQ	172.4330, -31.1220, -52.7380

Conversions

Conversions Part 2

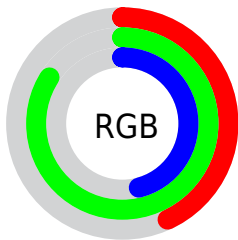
Format	Color
RYB	110, 208, 215
Decimal	7264117
CIELab	78.00, -50.41, 39.09
CIELCh	78, 63.787, 142.211
Yxy	53.2120, 0.3018, 0.4731
Android (android.graphics.Color)	4285454197 (0xFF6ED775)
YUV	172.4330, -27.3285, -54.7537
Hunter-Lab	72.9466, -44.5800, 30.4855

Details

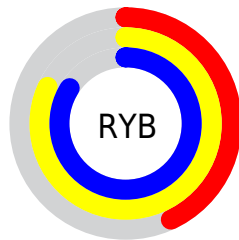
The CIELCh color **78, 63.787, 142.211** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **62, 63.423, 329.013**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 53.733, 142.798**, and **58, 63.790, 142.206** is the 20% darker color. If you saturate the color by 10%, you get **77, 75.303, 141.008**, and if you desaturate by 10%, it is **79, 51.345, 143.296**.

Distribution



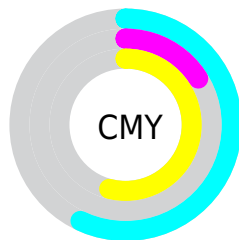
- Red (43%)
- Green (84%)
- Blue (46%)



- Red (43%)
- Yellow (82%)
- Blue (84%)



- Cyan (49%)
- Magenta (0%)
- Yellow (46%)
- Black (16%)





- Cyan (57%)
- Magenta (16%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 63.787, 142.211 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, 63.787, 142.211 by changing the saturation by 10% instead.


 78, 63.787,
142.211


 78, 63.787,
142.211


 100, 63.787,
142.211


 68, 63.787,
142.211


 98, 63.787,
142.211

 58, 63.787,
142.211

 48, 63.787,
142.211

 38, 63.787,
142.211

 28, 63.787,
142.211

 18, 63.787,
142.211

 8, 63.787, 142.211

0, 63.787, 142.211

78, 63.787,
142.211

78, 63.787,
142.211

77, 75.303,
141.008

79, 51.345,
143.296

76, 85.482,
139.732

81, 38.328,
144.246

76, 93.883,
138.470

82, 25.029,
145.068

75, 100.079,
137.349

84, 11.681,
145.780

75, 103.835,
136.534

86, 1.541, 326.161

75, 104.136,
136.478

89, 14.514,
326.835

■ 90, 25.044,
325.297

Harmonies

Complementary

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



78, 63.787, 142.211



62, 63.423, 329.013

Rectangle

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



78, 63.787, 142.211



78, 63.787, 192.211



78, 63.787, 322.211



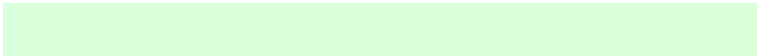
78, 63.787, 12.211

Sweetspot

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



78, 63.788, 142.211



97, 22.863, 145.341



84, 53.300, 107.886



51, 15.611, 145.185



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, 63.788, 142.211



90, 86.559, 140.916



79, 43.712, 161.214



44, 7.485, 145.740



61, 87.456, 136.609



14, 31.094, 142.190

Inverse Universe

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



62, 63.423, 329.013



68, 85.365, 329.549



60, 46.965, 352.013



42, 7.499, 326.794



40, 81.269, 331.058



6, 31.393, 330.319

Previews

White Background



This preview shows how the CIELCh color 78, 63.787, 142.211 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, 63.787, 142.211 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, 63.787, 142.211

Background



This preview shows how black text looks on a background with the CIELCh color 78, 63.787, 142.211.

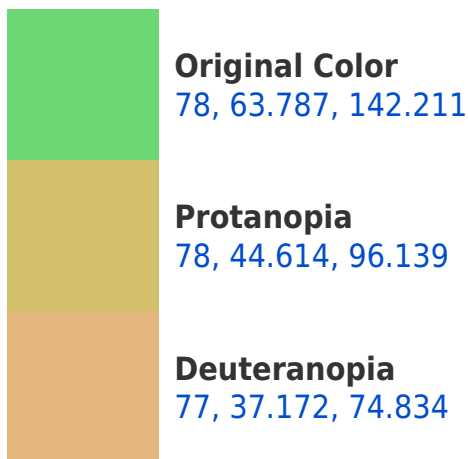


This preview shows how white text looks on a background with the CIELCh color 78, 63.787, 142.211.

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, 23.417, 221.059

Trichromacy



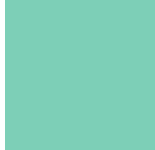
Original Color
78, 63.787, 142.211



Protanomaly
77, 47.400, 118.939



Deuteranomaly
77, 38.489, 112.114



Tritanomaly
78, 30.832, 172.406

Monochromacy



Original Color
78, 63.787, 142.211



Achromatopsia
70, 0.009, 296.813



Achromatomaly
73, 24.551, 145.228

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 63.787, 142.211 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(110, 215, 117)` looks like.

```
.text, #text, p{  
    color:rgb(110, 215, 117)  
}
```

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(110, 215, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 215, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 63.787, 142.211 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(110, 215, 117) }
```

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

```
.border{ border-color:rgb(110, 215, 117) }
```

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

Here you see how a box with a 4 pixel rgb(110, 215, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 215, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 215, 117);  
box-shadow:4px 4px 4px 4px rgb(110, 215,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 63.787, 142.211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 215, 117) }
```

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

```
.background{ background-color: rgb(110,  
215, 117) }
```

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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