

Converting Colors

CIELCh(62, 42.549, 138.001)

Have a look what the booklet for
CIELCh(62, 42.549, 138.001)
contains.

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Color

CIELCh(62, 42.780, 138.266)

Conversions

Conversions Part 1

Format	Color
Hex	6BA462
RGB	107, 164, 98
RGB Percent	42%, 64%, 38%
CMY	0.5818, 0.3583, 0.6170
CMYK	0.35, 0.00, 0.40, 0.36
HSL	112°, 27%, 51%
HSV	112°, 40%, 64%
XYZ	21.4220, 30.4025, 16.2126
YIQ	139.4330, -12.7860, -32.6100

Conversions

Conversions Part 2

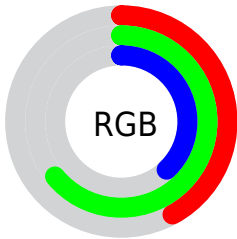
Format	Color
RYB	98, 164, 155
Decimal	7054434
CIELab	62.00, -31.92, 28.48
CIELCh	62, 42.780, 138.266
Yxy	30.4025, 0.3149, 0.4469
Android (android.graphics.Color)	4285244514 (0xFF6BA462)
YUV	139.4330, -20.4265, -28.4437
Hunter-Lab	55.1385, -27.1429, 21.1637

Details

The CIELCh color $62, 42.780, 138.266$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $50, 43.211, 322.497$, and the grayscale version is $58, 0.007, 296.813$.

A 20% lighter version of the original color is $82, 42.887, 138.268$, and $42, 42.875, 138.132$ is the 20% darker color. If you saturate the color by 10%, you get $61, 52.820, 137.499$, and if you desaturate by 10%, it is $63, 32.322, 138.982$.

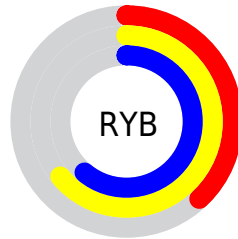
Distribution



Red (42%)

Green (64%)

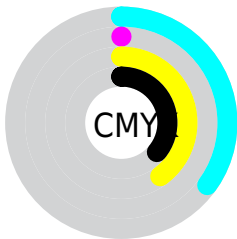
Blue (38%)



Red (38%)

Yellow (64%)

Blue (61%)

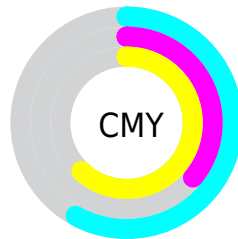


Cyan (35%)

Magenta (0%)

Yellow (40%)

Black (36%)



Cyan (58%)


Magenta (36%)

Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 42.780, 138.266 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 62, 42.780, 138.266 by changing the saturation by 10% instead.


 62, 42.780,
138.266


 62, 42.780,
138.266


 100, 42.780,
138.266


 52, 42.780,
138.266

 82, 42.780,
138.266

 42, 42.780,
138.266

 92, 42.780,
138.266

 32, 42.780,
138.266

 22, 42.780,
138.266

 12, 42.780,
138.266

 2, 42.780, 138.266

 0, 42.780, 138.266

■ 62, 42.780,
138.266

■ 62, 42.780,
138.266

■ 61, 52.820,
137.499

■ 63, 32.322,
138.982

■ 60, 62.153,
136.721

■ 64, 21.659,
139.627

■ 60, 70.417,
136.010

■ 66, 10.953,
140.199

■ 59, 77.180,
135.479

■ 67, 0.325, 141.267

■ 59, 82.025,
135.252

■ 69, 10.141,
321.072

■ 59, 85.027,
135.226

■ 71, 20.388,
321.440

■ 72, 30.379,
321.750

■ 74, 40.094,
322.011

■ 76, 49.524,
322.234

Harmonies

Complementary

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



62, 42.780, 138.266



50, 43.211, 322.497

Rectangle

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



62, 42.780, 138.266



62, 42.780, 188.266



62, 42.780, 318.266



62, 42.780, 8.266

Sweetspot

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



62, 42.781, 138.267



83, 15.727, 140.095



63, 31.107, 98.801



44, 10.521, 140.027



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



62, 42.781, 138.267



77, 62.250, 137.611



62, 34.572, 152.818



34, 5.989, 140.256



52, 77.870, 135.151



4, 9.332, 141.054

Inverse Universe

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



50, 43.211, 322.497



60, 62.887, 322.826



50, 35.179, 339.566



32, 6.014, 321.090



31, 76.803, 323.100



1, 9.193, 319.600

Previews

White Background



This preview shows how the CIELCh color 62, 42.780, 138.266 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 CIE LCh color 62, 42.780, 138.266 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 62, 42.780, 138.266

Background



This preview shows how black text looks on a background with the CIELCh color 62, 42.780, 138.266.

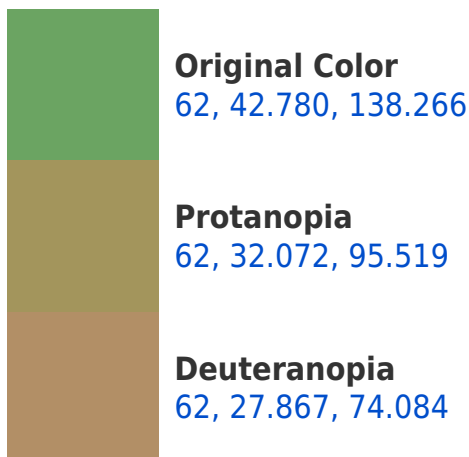


This preview shows how white text looks on a background with the CIELCh color 62, 42.780, 138.266.

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
62, 14.206, 229.586

Trichromacy



Original Color
62, 42.780, 138.266

Protanomaly
61, 33.219, 114.680

Deuteranomaly
61, 28.161, 106.125

Tritanomaly
62, 18.457, 168.588

Monochromacy



Original Color
62, 42.780, 138.266

Achromatopsia
58, 0.007, 296.813

Achromatomaly
59, 15.963, 140.186

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 42.780, 138.266 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(107, 164, 98)` looks like.

```
.text, #text, p{  
    color:rgb(107, 164, 98)  
}
```

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(107, 164, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 164, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 42.780, 138.266 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(107, 164, 98) }
```

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

```
.border{ border-color:rgb(107, 164, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 164, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 164, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 164, 98);  
box-shadow:4px 4px 4px 4px rgb(107, 164,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 42.780, 138.266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 164, 98) }
```

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

```
.background{ background-color: rgb(107,  
164, 98) }
```

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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