

Converting Colors

CIELCh(42, 27.908, 179.710)

Have a look what the booklet for
CIELCh(42, 27.908, 179.710)
contains.

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Color

CIELCh(42, 27.840, 179.727)

Conversions

Conversions Part 1

Format	Color
Hex	1A6F62
RGB	26, 111, 98
RGB Percent	10%, 44%, 38%
CMY	0.8974, 0.5642, 0.6152
CMYK	0.76, 0.00, 0.12, 0.56
HSL	171°, 62%, 27%
HSV	171°, 76%, 44%
XYZ	8.3373, 12.5000, 13.5563
YIQ	84.1030, -46.4870, -22.0630

Conversions

Conversions Part 2

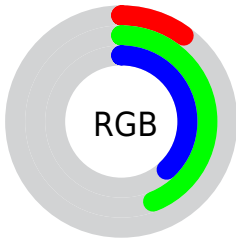
Format	Color
R_{YB}	26, 72, 111
Decimal	1732450
CIE _{Lab}	42.00, -27.84, 0.13
CIE _{LCh}	42, 27.840, 179.727
Yxy	12.5000, 0.2424, 0.3634
Android (android.graphics.Color)	4279922530 (0xFF1A6F62)
YUV	84.1030, 6.8512, -50.9563
Hunter-Lab	35.3553, -19.7787, 2.0152

Details

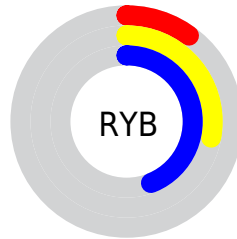
The CIELCh color **42, 27.840, 179.727** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **25, 40.283, 20.454**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 27.575, 180.341**, and **23, 21.028, 177.202** is the 20% darker color. If you saturate the color by 10%, you get **42, 29.642, 178.464**, and if you desaturate by 10%, it is **42, 25.525, 180.878**.

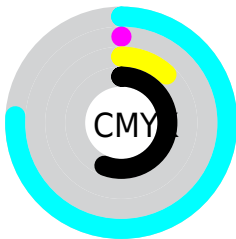
Distribution



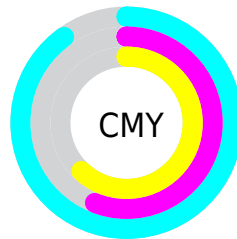
- Red (10%)
- Green (44%)
- Blue (38%)



- Red (10%)
- Yellow (28%)
- Blue (44%)



- Cyan (76%)
- Magenta (0%)
- Yellow (12%)
- Black (56%)




- Cyan (90%)
- Magenta (56%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 27.840, 179.727 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 42, 27.840, 179.727 by changing the saturation by 10% instead.


 42, 27.840,
179.727


 42, 27.840,
179.727


 100, 27.840,
179.727

 32, 27.840,
179.727

 62, 27.840,
179.727


 22, 27.840,
179.727

 72, 27.840,
179.727

 12, 27.840,
179.727

 82, 27.840,
179.727

 2, 27.840, 179.727

 92, 27.840,
179.727

 0, 27.840, 179.727

 42, 27.840,

 42, 27.840,

179.727

179.727

■ 42, 29.642,
178.464

■ 42, 25.525,
180.878

■ 42, 31.028,
177.114

■ 43, 22.710,
181.939

■ 42, 31.511,
176.653

■ 43, 19.433,
182.927

■ 44, 15.752,
183.858

■ 45, 11.735,
184.747

■ 45, 7.450, 185.608

■ 46, 2.965, 186.493

■ 47, 1.659, 6.963

■ 48, 6.368, 7.884

Harmonies

Complementary

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



42, 27.840, 179.727



25, 40.283, 20.454

Rectangle

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



42, 27.840, 179.727



42, 27.840, 229.727



42, 27.840, 359.727



42, 27.840, 49.727

Sweetspot

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



42, 27.840, 179.726



58, 12.802, 184.992



41, 54.676, 135.242



30, 8.872, 184.741



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



42, 27.840, 179.726



54, 37.293, 177.357



33, 22.901, 249.884



23, 2.599, 186.254



45, 33.307, 176.515



88, 57.475, 175.558

Inverse Universe

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



25, 40.283, 20.454



30, 58.492, 28.069



30, 36.434, 51.432



22, 2.701, 7.576



24, 53.726, 30.609



52, 94.633, 33.720

Previews

White Background



This preview shows how the CIE LCh color 42, 27.840, 179.727 looks on a white 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 × Fail

Black Background



This preview shows how the CIELCh color 42, 27.840, 179.727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

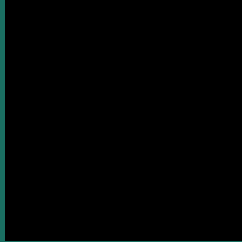
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 27.840, 179.727

Background



This preview shows how black text looks on a background with the CIELCh color 42, 27.840, 179.727.



This preview shows how white text looks on a background with the CIELCh color 42, 27.840, 179.727.

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


42, 27.840, 179.727

Protanopia

42, 4.546, 87.322

Deuteranopia

42, 5.515, 346.971



Tritanopia
42, 21.734, 211.780

Trichromacy



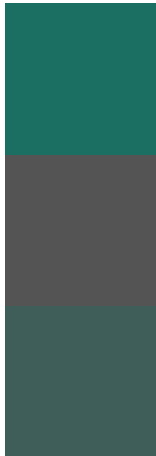
Original Color
42, 27.840, 179.727

Protanomaly
41, 12.867, 172.682

Deuteranomaly
41, 9.062, 194.452

Tritanomaly
42, 23.110, 198.314

Monochromacy



Original Color
42, 27.840, 179.727

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 12.618, 183.547

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 27.840, 179.727 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(26, 111, 98)` looks like.

```
.text, #text, p{  
    color:rgb(26, 111, 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(26, 111, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 111, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 27.840, 179.727 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(26, 111, 98) }
```

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

```
.border{ border-color:rgb(26, 111, 98) }
```

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

Here you see how a box with a 4 pixel rgb(26, 111, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 111, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 111, 98);  
box-shadow:4px 4px 4px 4px rgb(26, 111,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 27.840, 179.727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 111, 98) }
```

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

```
.background{ background-color: rgb(26, 111,  
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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