

Converting Colors

CIELCh(42, 33.551, 157.373)

Have a look what the booklet for
CIELCh(42, 33.551, 157.373)
contains.

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Color

CIELCh(42, 33.700, 157.232)

Conversions

Conversions Part 1

Format	Color
Hex	29704D
RGB	41, 112, 77
RGB Percent	16%, 44%, 30%
CMY	0.8408, 0.5622, 0.6994
CMYK	0.64, 0.00, 0.31, 0.56
HSL	150°, 47%, 30%
HSV	150°, 64%, 44%
XYZ	7.9785, 12.5000, 8.9495
YIQ	86.7810, -31.0810, -25.9370

Conversions

Conversions Part 2

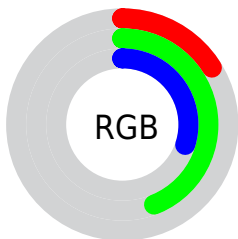
Format	Color
RYB	41, 88, 112
Decimal	2715725
CIELab	42.00, -31.07, 13.04
CIElCh	42, 33.700, 157.232
Yxy	12.5000, 0.2711, 0.4248
Android (android.graphics.Color)	4280905805 (0xFF29704D)
YUV	86.7810, -4.8220, -40.1499
Hunter-Lab	35.3553, -21.5906, 9.7406

Details

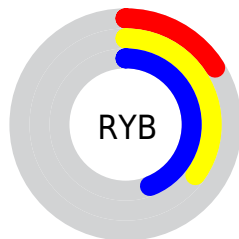
The CIELCh color **42, 33.700, 157.232** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **28, 35.703, 351.237**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 33.535, 157.315**, and **23, 29.982, 153.603** is the 20% darker color. If you saturate the color by 10%, you get **42, 37.934, 155.623**, and if you desaturate by 10%, it is **43, 29.037, 158.661**.

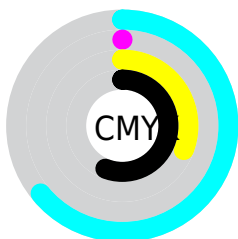
Distribution



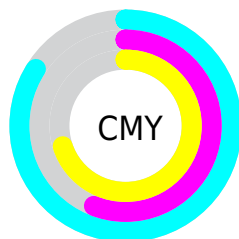
- Red (16%)
- Green (44%)
- Blue (30%)



- Red (16%)
- Yellow (35%)
- Blue (44%)



- Cyan (64%)
- Magenta (0%)
- Yellow (31%)
- Black (56%)





- Cyan (84%)
- Magenta (56%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 33.700, 157.232 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, 33.700, 157.232 by changing the saturation by 10% instead.


 42, 33.700,
157.232


 42, 33.700,
157.232


 100, 33.700,
157.232


 32, 33.700,
157.232

 62, 33.700,
157.232


 22, 33.700,
157.232

 72, 33.700,
157.232

 12, 33.700,
157.232

 82, 33.700,
157.232

 2, 33.700, 157.232

 92, 33.700,
157.232

 0, 33.700, 157.232

 42, 33.700,

 42, 33.700,

157.232

157.232

■ 42, 37.934,
155.623

■ 43, 29.037,
158.661

■ 41, 41.687,
153.824

■ 43, 24.018,
159.930

■ 41, 44.960,
151.853

■ 44, 18.726,
161.061

■ 41, 46.954,
150.673

■ 45, 13.248,
162.075

■ 46, 7.663, 162.997

■ 47, 2.040, 163.915

■ 48, 3.565, 344.461

■ 49, 9.107, 345.197

■ 50, 14.555,
345.847

Harmonies

Complementary

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



42, 33.700, 157.232



28, 35.703, 351.237

Rectangle

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



42, 33.700, 157.232



42, 33.700, 207.232



42, 33.700, 337.232



42, 33.700, 27.232

Sweetspot

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



42, 33.700, 157.232



58, 13.241, 162.466



43, 43.075, 126.427



30, 9.177, 162.254



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, 33.700, 157.232



53, 47.942, 154.859



43, 22.622, 196.879



23, 3.172, 163.406



44, 49.589, 150.479



86, 87.129, 149.081

Inverse Universe

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



28, 35.703, 351.237



34, 50.063, 354.200



27, 35.534, 27.579



22, 3.211, 344.730



25, 48.584, 0.959



53, 82.631, 3.615

Previews

White Background



This preview shows how the CIELCh color 42, 33.700, 157.232 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, 33.700, 157.232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

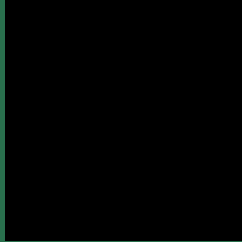
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 33.700, 157.232

Background



This preview shows how black text looks on a background with the CIELCh color 42, 33.700, 157.232.



This preview shows how white text looks on a background with the CIELCh color 42, 33.700, 157.232.

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, 33.700, 157.232

Protanopia

42, 17.065, 96.766

Deuteranopia

42, 12.576, 65.598



Tritanopia
42, 18.149, 213.087

Trichromacy



Original Color
42, 33.700, 157.232

Protanomaly
41, 20.900, 134.705

Deuteranomaly
41, 14.596, 132.785

Tritanomaly
42, 21.643, 183.887

Monochromacy



Original Color
42, 33.700, 157.232

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 13.093, 163.428

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 33.700, 157.232 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(41, 112, 77)` looks like.

```
.text, #text, p{  
    color:rgb(41, 112, 77)  
}
```

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(41, 112, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 112, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 33.700, 157.232 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(41, 112, 77) }
```

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

```
.border{ border-color:rgb(41, 112, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 112, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 112, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 112, 77);  
box-shadow:4px 4px 4px 4px rgb(41, 112,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 33.700, 157.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 112, 77) }
```

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

```
.background{ background-color: rgb(41, 112,  
77) }
```

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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