

Converting Colors

CIELCh(42, 34.040, 151.752)

Have a look what the booklet for
CIELCh(42, 34.040, 151.752)
contains.

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Color

CIELCh(42, 33.657, 151.981)

Conversions

Conversions Part 1

Format	Color
Hex	316F48
RGB	49, 111, 72
RGB Percent	19%, 44%, 28%
CMY	0.8077, 0.5645, 0.7175
CMYK	0.56, 0.00, 0.35, 0.56
HSL	142°, 39%, 31%
HSV	142°, 56%, 44%
XYZ	8.1283, 12.5000, 8.1215
YIQ	88.0160, -24.4330, -25.2730

Conversions

Conversions Part 2

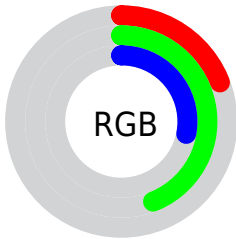
Format	Color
RYB	49, 94, 111
Decimal	3239752
CIELab	42.00, -29.71, 15.81
CIELCh	42, 33.657, 151.981
Yxy	12.5000, 0.2827, 0.4348
Android (android.graphics.Color)	4281429832 (0xFF316F48)
YUV	88.0160, -7.8959, -34.2170
Hunter-Lab	35.3553, -20.8341, 11.1291

Details

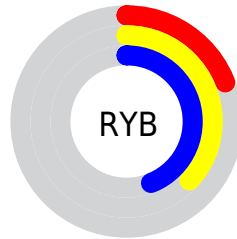
The CIELCh color **42, 33.657, 151.981** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **30, 34.275, 342.014**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 33.524, 152.329**, and **22, 31.770, 150.110** is the 20% darker color. If you saturate the color by 10%, you get **41, 38.911, 150.561**, and if you desaturate by 10%, it is **43, 28.022, 153.233**.

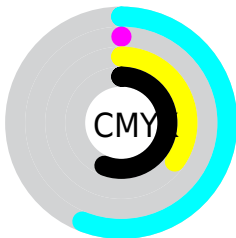
Distribution



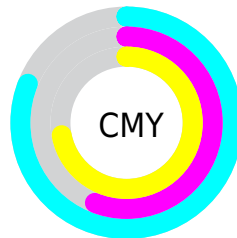
- Red (19%)
- Green (44%)
- Blue (28%)



- Red (19%)
- Yellow (37%)
- Blue (44%)



- Cyan (56%)
- Magenta (0%)
- Yellow (35%)
- Black (56%)





- Cyan (81%)
- Magenta (56%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 33.657, 151.981 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, 33.657, 151.981 by changing the saturation by 10% instead.


 42, 33.657,
151.981


 42, 33.657,
151.981


 100, 33.657,
151.981


 32, 33.657,
151.981

 62, 33.657,
151.981


 22, 33.657,
151.981

 72, 33.657,
151.981

 12, 33.657,
151.981

 82, 33.657,
151.981

 2, 33.657, 151.981

 92, 33.657,
151.981

 0, 33.657, 151.981

 42, 33.657,

 42, 33.657,

151.981

■ 41, 38.911,
150.561

■ 41, 43.692,
148.961

■ 41, 47.933,
147.186

■ 41, 51.651,
145.316

■ 40, 53.135,
144.617

151.981

■ 43, 28.022,
153.233

■ 43, 22.105,
154.334

■ 44, 16.004,
155.304

■ 45, 9.811, 156.166

■ 46, 3.601, 156.964

■ 47, 2.563, 337.482

■ 49, 8.635, 338.153

■ 50, 14.581,
338.713

■ 51, 20.378,
339.218

Harmonies

Complementary

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



42, 33.657, 151.981



30, 34.275, 342.014

Rectangle

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



42, 33.657, 151.981



42, 33.657, 201.981



42, 33.657, 331.981



42, 33.657, 21.981

Sweetspot

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



42, 33.658, 151.981



58, 13.137, 156.032



44, 36.881, 121.607



30, 8.857, 155.909



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, 33.658, 151.981



54, 49.036, 150.102



43, 22.204, 183.801



23, 3.507, 156.710



44, 56.353, 144.420



86, 99.073, 143.119

Inverse Universe

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



30, 34.275, 342.014



37, 49.266, 343.597



29, 29.475, 15.955



22, 3.530, 337.884



25, 51.064, 349.320



54, 86.298, 350.999

Previews

White Background



This preview shows how the CIELCh color 42, 33.657, 151.981 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 CIE LCh color 42, 33.657, 151.981 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, 33.657, 151.981

Background



This preview shows how black text looks on a background with the CIELCh color 42, 33.657, 151.981.



This preview shows how white text looks on a background with the CIELCh color 42, 33.657, 151.981.

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, 33.657, 151.981

Protanopia

42, 19.472, 96.261

Deuteranopia

42, 15.100, 68.723



Tritanopia
42, 16.119, 215.332

Trichromacy



Original Color
42, 33.657, 151.981

Protanomaly
41, 21.632, 127.626

Deuteranomaly
41, 16.079, 122.223

Tritanomaly
42, 19.556, 180.860

Monochromacy



Original Color
42, 33.657, 151.981

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 12.668, 155.286

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 33.657, 151.981 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(49, 111, 72)` looks like.

```
.text, #text, p{  
    color:rgb(49, 111, 72)  
}
```

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(49, 111, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 111, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 33.657, 151.981 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(49, 111, 72) }
```

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

```
.border{ border-color:rgb(49, 111, 72) }
```

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

Here you see how a box with a 4 pixel rgb(49, 111, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 111, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 111, 72);  
box-shadow:4px 4px 4px 4px rgb(49, 111,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 33.657, 151.981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 111, 72) }
```

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

```
.background{ background-color: rgb(49, 111,  
72) }
```

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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