

Converting Colors

CIELCh(42, 57.313, 141.375)

Have a look what the booklet for
CIELCh(42, 57.313, 141.375)
contains.

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Color

CIELCh(42, 57.327, 141.333)

Conversions

Conversions Part 1

Format	Color
Hex	0A7322
RGB	10, 115, 34
RGB Percent	4%, 45%, 13%
CMY	0.9621, 0.5480, 0.8657
CMYK	0.92, 0.00, 0.70, 0.55
HSL	134°, 85%, 24%
HSV	134°, 92%, 45%
XYZ	6.5737, 12.5000, 3.5985
YIQ	74.3710, -36.5790, -47.4510

Conversions

Conversions Part 2

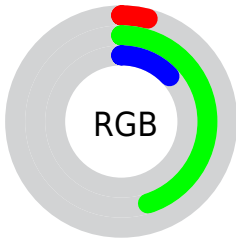
Format	Color
RYB	10, 95, 115
Decimal	684834
CIELab	42.00, -44.76, 35.82
CIELCh	42, 57.327, 141.333
Yxy	12.5000, 0.2899, 0.5513
Android (android.graphics.Color)	4278874914 (0xFF0A7322)
YUV	74.3710, -19.9029, -56.4534
Hunter-Lab	35.3553, -28.6828, 18.7142

Details

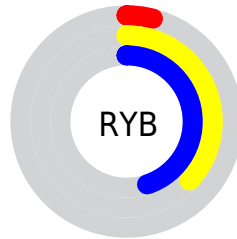
The CIELCh color $42, 57.327, 141.333$ is a dark color, and the websafe version is hex 006600 . A complement of this color would be $26, 52.769, 338.695$, and the grayscale version is $32, 0.005, 296.813$.

A 20% lighter version of the original color is $62, 57.100, 141.256$, and $23, 44.475, 136.657$ is the 20% darker color. If you saturate the color by 10%, you get $42, 60.440, 140.111$, and if you desaturate by 10%, it is $42, 53.034, 142.988$.

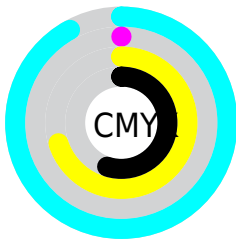
Distribution



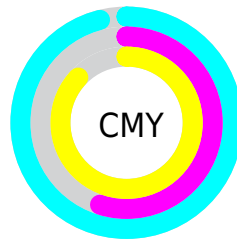
- Red (4%)
- Green (45%)
- Blue (13%)



- Red (4%)
- Yellow (37%)
- Blue (45%)



- Cyan (92%)
- Magenta (0%)
- Yellow (70%)
- Black (55%)





- Cyan (96%)
- Magenta (55%)
- Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 57.327, 141.333 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, 57.327, 141.333 by changing the saturation by 10% instead.


 42, 57.327,
141.333


 42, 57.327,
141.333


 100, 57.327,
141.333


 32, 57.327,
141.333

 62, 57.327,
141.333


 22, 57.327,
141.333

 72, 57.327,
141.333

 12, 57.327,
141.333

 82, 57.327,
141.333

 2, 57.327, 141.333

 92, 57.327,
141.333

 0, 57.327, 141.333

 42, 57.327,

 42, 57.327,

141.333

141.333

■ 42, 60.440,
140.111

■ 42, 53.034,
142.988

■ 43, 47.969,
144.554

■ 43, 42.243,
145.985

■ 44, 35.981,
147.263

■ 44, 29.322,
148.389

■ 45, 22.395,
149.371

■ 46, 15.322,
150.229

■ 47, 8.204, 150.983

Harmonies

Complementary

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



42, 57.327, 141.333



26, 52.769, 338.695

Rectangle

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



42, 57.327, 141.333



42, 57.327, 191.333



42, 57.327, 321.333



42, 57.327, 11.333

Sweetspot

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



42, 57.327, 141.333



59, 23.817, 149.720



45, 53.170, 114.844



30, 16.166, 149.487



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



42, 57.327, 141.333



54, 74.144, 139.609



43, 36.177, 165.678



24, 4.030, 151.164



44, 63.282, 139.985



86, 109.882, 138.969

Inverse Universe

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



26, 52.769, 338.695



34, 65.355, 339.980



24, 45.792, 16.314



23, 4.045, 332.216



27, 56.453, 339.698



56, 94.860, 340.504

Previews

White Background



This preview shows how the CIELCh color 42, 57.327, 141.333 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, 57.327, 141.333 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, 57.327, 141.333

Background



This preview shows how black text looks on a background with the CIELCh color 42, 57.327, 141.333.



This preview shows how white text looks on a background with the CIELCh color 42, 57.327, 141.333.

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, 57.268, 141.267

Protanopia

42, 39.314, 95.553

Deuteranopia

42, 34.135, 80.472



Tritanopia
42, 19.763, 211.610

Trichromacy



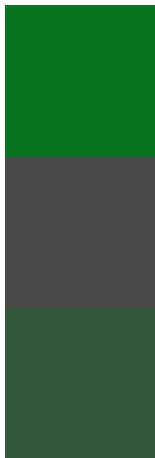
Original Color
42, 57.268, 141.267

Protanomaly
41, 43.286, 123.565

Deuteranomaly
40, 37.266, 119.410

Tritanomaly
42, 30.715, 166.473

Monochromacy



Original Color
42, 57.268, 141.267

Achromatopsia
31, 0.005, 296.813

Achromatomaly
34, 24.243, 148.555

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 57.327, 141.333 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(10, 115, 34)` looks like.

```
.text, #text, p{  
    color:rgb(10, 115, 34)  
}
```

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(10, 115, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 115, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 57.327, 141.333 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(10, 115, 34) }
```

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

```
.border{ border-color:rgb(10, 115, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 115, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 115, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 115, 34);  
box-shadow:4px 4px 4px 4px rgb(10, 115,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 57.327, 141.333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 115, 34) }
```

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

```
.background{ background-color: rgb(10, 115,  
34) }
```

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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