

Converting Colors

CIELCh(64, 42.314, 144.881)

Have a look what the booklet for
CIELCh(64, 42.314, 144.881)
contains.

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Color

CIELCh(64, 42.142, 144.707)

Conversions

Conversions Part 1

Format	Color
Hex	66AA6E
RGB	102, 170, 110
RGB Percent	40%, 67%, 43%
CMY	0.5991, 0.3324, 0.5678
CMYK	0.40, 0.00, 0.35, 0.33
HSL	127°, 29%, 53%
HSV	127°, 40%, 67%
XYZ	22.7470, 32.8017, 19.9440
YIQ	142.8280, -21.2680, -33.0760

Conversions

Conversions Part 2

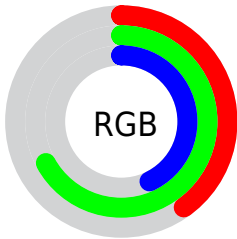
Format	Color
RYB	102, 163, 170
Decimal	6728302
CIELab	64.00, -34.40, 24.35
CIELCh	64, 42.142, 144.707
Yxy	32.8017, 0.3013, 0.4345
Android (android.graphics.Color)	4284918382 (0xFF66AA6E)
YUV	142.8280, -16.1842, -35.8062
Hunter-Lab	57.2727, -29.3326, 19.4445

Details

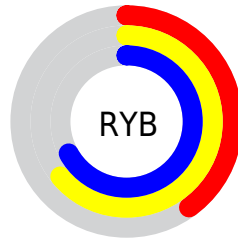
The CIELCh color $64, 42.142, 144.707$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $53, 42.117, 330.145$, and the grayscale version is $59, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 42.279, 144.588$, and $44, 41.872, 145.073$ is the 20% darker color. If you saturate the color by 10%, you get $63, 52.085, 143.605$, and if you desaturate by 10%, it is $65, 31.763, 145.670$.

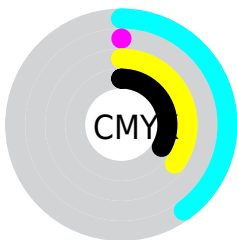
Distribution



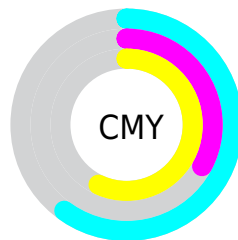
- Red (40%)
- Green (67%)
- Blue (43%)



- Red (40%)
- Yellow (64%)
- Blue (67%)



- Cyan (40%)
- Magenta (0%)
- Yellow (35%)
- Black (33%)





- Cyan (60%)
- Magenta (33%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 42.142, 144.707 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 64, 42.142, 144.707 by changing the saturation by 10% instead.

 64, 42.142,
144.707


 64, 42.142,
144.707


 100, 42.142,
144.707


 54, 42.142,
144.707


 84, 42.142,
144.707

 44, 42.142,
144.707

 94, 42.142,
144.707

 34, 42.142,
144.707

 24, 42.142,
144.707

 14, 42.142,
144.707

 4, 42.142, 144.707

 0, 42.142, 144.707

■ 64, 42.142,
144.707

■ 64, 42.142,
144.707

■ 63, 52.085,
143.605

■ 65, 31.763,
145.670

■ 62, 61.337,
142.368

■ 67, 21.160,
146.503

■ 62, 69.622,
141.022

■ 68, 10.509,
147.227

■ 61, 76.648,
139.630

■ 70, 0.058, 323.418

■ 61, 82.134,
138.291

■ 72, 10.441,
328.311

■ 61, 85.956,
137.209

■ 73, 20.575,
328.774

■ 61, 85.971,
137.205

■ 76, 30.417,
329.167

■ 78, 39.945,
329.508

■ 80, 49.073,
329.653

Harmonies

Complementary

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



64, 42.142, 144.707



53, 42.117, 330.145

Rectangle

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



64, 42.142, 144.707



64, 42.142, 194.707



64, 42.142, 324.707



64, 42.142, 14.707

Sweetspot

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



64, 42.143, 144.707



86, 15.739, 147.071



68, 36.673, 111.661



46, 10.531, 146.983



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



64, 42.143, 144.707



80, 62.182, 143.732



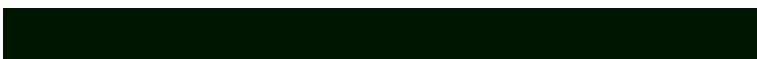
65, 28.493, 166.398



35, 5.918, 147.273



53, 77.262, 137.350



5, 10.886, 147.309

Inverse Universe

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



53, 42.117, 330.145



64, 61.893, 330.667



51, 30.971, 354.909



33, 5.931, 328.316



34, 70.329, 333.437



2, 10.451, 329.136

Previews

White Background



This preview shows how the CIE LCh color 64, 42.142, 144.707 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 CIELCh color 64, 42.142, 144.707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

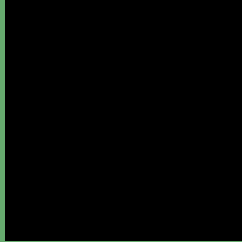
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 42.142, 144.707

Background



This preview shows how black text looks on a background with the CIELCh color 64, 42.142, 144.707.



This preview shows how white text looks on a background with the CIELCh color 64, 42.142, 144.707.

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
64, 42.142, 144.707

Protanopia
64, 28.130, 95.623

Deuteranopia
64, 23.672, 70.111



Tritanopia
64, 16.861, 223.889

Trichromacy



Original Color
64, 42.142, 144.707

Protanomaly
63, 30.421, 120.480

Deuteranomaly
63, 23.742, 110.605

Tritanomaly
64, 21.024, 175.690

Monochromacy



Original Color
64, 42.142, 144.707

Achromatopsia
59, 0.008, 296.813

Achromatomaly
61, 15.838, 146.862

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 42.142, 144.707 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(102, 170, 110)` looks like.

```
.text, #text, p{  
    color:rgb(102, 170, 110)  
}
```

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(102, 170, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 170, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 42.142, 144.707 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(102, 170, 110) }
```

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

```
.border{ border-color:rgb(102, 170, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 170, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 170, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 170, 110);  
box-shadow:4px 4px 4px 4px rgb(102, 170,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 42.142, 144.707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 170, 110) }
```

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

```
.background{ background-color: rgb(102,  
170, 110) }
```

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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