

Converting Colors

CIELCh(64, 57.542, 130.542)

Have a look what the booklet for
CIELCh(64, 57.542, 130.542)
contains.

CIELCh(64, 57.820, 130.369)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(64, 57.820, 130.369)

Conversions

Conversions Part 1

Format	Color
Hex	6EAB48
RGB	110, 171, 72
RGB Percent	43%, 67%, 28%
CMY	0.5695, 0.3303, 0.7185
CMYK	0.36, 0.00, 0.58, 0.33
HSL	97°, 41%, 48%
HSV	97°, 58%, 67%
XYZ	22.0822, 32.8017, 11.2608
YIQ	141.4750, -4.5770, -43.7210

Conversions

Conversions Part 2

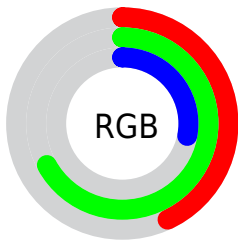
Format	Color
RYB	72, 171, 133
Decimal	7252808
CIELab	64.00, -37.45, 44.05
CIELCh	64, 57.820, 130.369
Yxy	32.8017, 0.3338, 0.4959
Android (android.graphics.Color)	4285442888 (0xFF6EAB48)
YUV	141.4750, -34.2512, -27.6036
Hunter-Lab	57.2727, -31.4044, 28.4335

Details

The CIELCh color $64, 57.820, 130.369$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $42, 61.295, 315.459$, and the grayscale version is $59, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 57.745, 130.412$, and $44, 57.840, 130.398$ is the 20% darker color. If you saturate the color by 10%, you get $63, 66.274, 130.089$, and if you desaturate by 10%, it is $65, 48.541, 130.792$.

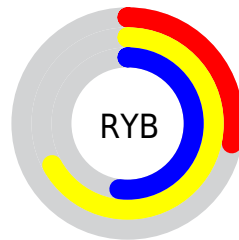
Distribution



Red (43%)

Green (67%)

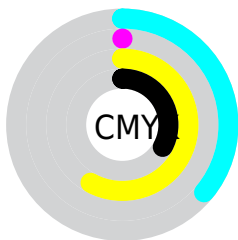
Blue (28%)



Red (28%)

Yellow (67%)

Blue (52%)

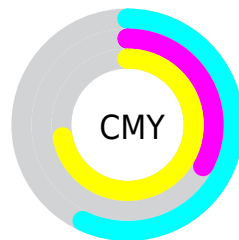


Cyan (36%)

Magenta (0%)

Yellow (58%)

Black (33%)



Cyan (57%)


Magenta (33%)


Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 57.820, 130.369 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, 57.820, 130.369 by changing the saturation by 10% instead.

 64, 57.820,
130.369

 64, 57.820,
130.369


 100, 57.820,
130.369


 54, 57.820,
130.369

 84, 57.820,
130.369

 44, 57.820,
130.369

 94, 57.820,
130.369

 34, 57.820,
130.369

 24, 57.820,
130.369

 14, 57.820,
130.369

 4, 57.820, 130.369

 0, 57.820, 130.369

■ 64, 57.820,
130.369

■ 64, 57.820,
130.369

■ 63, 66.274,
130.089

■ 65, 48.541,
130.792

■ 63, 73.503,
130.058

■ 66, 38.741,
131.277

■ 62, 79.085,
130.403

■ 67, 28.643,
131.774

■ 62, 82.886,
131.145

■ 68, 18.404,
132.256

■ 62, 83.581,
131.285

■ 69, 8.136, 132.713

■ 70, 2.081, 313.037

■ 72, 12.190,
313.458

■ 73, 22.152,
313.787

■ 74, 31.940,
314.075

Harmonies

Complementary

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



64, 57.820, 130.369



42, 61.295, 315.459

Rectangle

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



64, 57.820, 130.369



64, 57.820, 180.369



64, 57.820, 310.369



64, 57.820, 0.369

Sweetspot

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



64, 57.821, 130.370



86, 21.545, 132.287



57, 38.434, 77.658



46, 14.530, 132.197



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, 57.821, 130.370



80, 83.637, 130.045



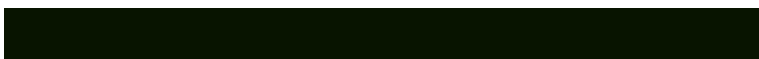
63, 60.428, 142.130



35, 5.716, 132.654



54, 75.050, 131.109



5, 10.575, 134.769

Inverse Universe

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



42, 61.295, 315.459



48, 89.591, 315.745



47, 59.709, 330.567



33, 5.774, 313.390



25, 80.992, 315.048



1, 10.237, 310.396

Previews

White Background



This preview shows how the CIELCh color 64, 57.820, 130.369 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 CIE LCh color 64, 57.820, 130.369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

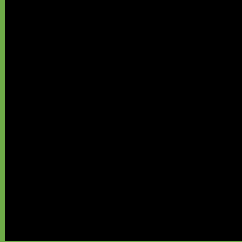
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 57.820, 130.369

Background



This preview shows how black text looks on a background with the CIELCh color 64, 57.820, 130.369.

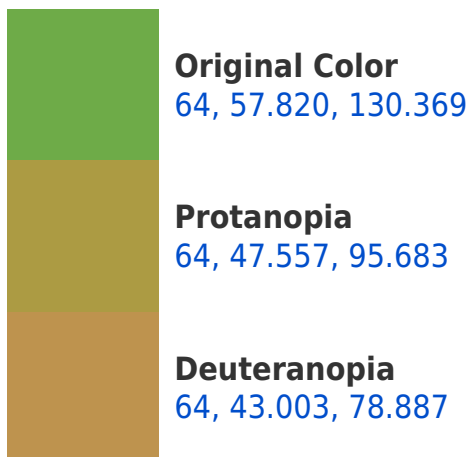


This preview shows how white text looks on a background with the CIELCh color 64, 57.820, 130.369.

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





Tritanopia
64, 13.622, 230.916

Trichromacy



Original Color
64, 57.820, 130.369

Protanomaly
64, 48.858, 111.154

Deuteranomaly
63, 43.042, 102.467

Tritanomaly
64, 22.990, 154.807

Monochromacy



Original Color
64, 57.820, 130.369

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 22.039, 131.824

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 57.820, 130.369 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(110, 171, 72)` looks like.

```
.text, #text, p{  
    color:rgb(110, 171, 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(110, 171, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 171, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 57.820, 130.369 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(110, 171, 72) }
```

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

```
.border{ border-color:rgb(110, 171, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 171, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 171, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 171, 72);  
box-shadow:4px 4px 4px 4px rgb(110, 171,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 57.820, 130.369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 171, 72) }
```

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

```
.background{ background-color: rgb(110,  
171, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor