

Converting Colors

CIELCh(64, 47.807, 130.022)

Have a look what the booklet for
CIELCh(64, 47.807, 130.022)
contains.

CIELCh(64, 47.807, 130.022)	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, 47.807, 130.022)

Conversions

Conversions Part 1

Format	Color
Hex	78A857
RGB	120, 168, 87
RGB Percent	47%, 66%, 34%
CMY	0.5284, 0.3402, 0.6579
CMYK	0.29, 0.00, 0.48, 0.34
HSL	96°, 32%, 50%
HSV	96°, 48%, 66%
XYZ	23.5594, 32.8017, 14.1567
YIQ	144.4140, -2.6070, -35.3670

Conversions

Conversions Part 2

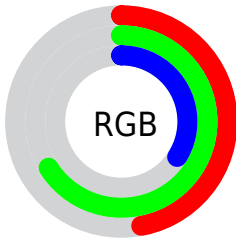
Format	Color
RYB	87, 168, 135
Decimal	7907415
CIELab	64.00, -30.74, 36.61
CIElCh	64, 47.807, 130.022
Yxy	32.8017, 0.3341, 0.4652
Android (android.graphics.Color)	4286097495 (0xFF78A857)
YUV	144.4140, -28.3051, -21.4111
Hunter-Lab	57.2727, -26.8004, 25.4356

Details

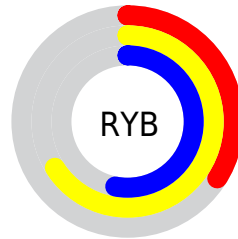
The CIELCh color $64, 47.807, 130.022$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $45, 50.413, 314.360$, and the grayscale version is $60, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 47.755, 129.924$, and $44, 48.153, 130.127$ is the 20% darker color. If you saturate the color by 10%, you get $63, 56.903, 129.621$, and if you desaturate by 10%, it is $65, 38.202, 130.494$.

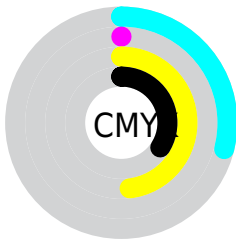
Distribution



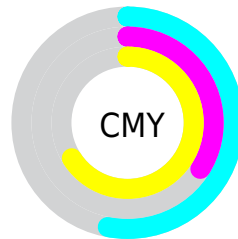
- Red (47%)
- Green (66%)
- Blue (34%)



- Red (34%)
- Yellow (66%)
- Blue (53%)



- Cyan (29%)
- Magenta (0%)
- Yellow (48%)
- Black (34%)



- Cyan (53%)
- Magenta (34%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 47.807, 130.022 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, 47.807, 130.022 by changing the saturation by 10% instead.

 64, 47.807,
130.022


 64, 47.807,
130.022


 100, 47.807,
130.022


 54, 47.807,
130.022


 84, 47.807,
130.022

 44, 47.807,
130.022

 94, 47.807,
130.022

 34, 47.807,
130.022

 24, 47.807,
130.022

 14, 47.807,
130.022

 4, 47.807, 130.022

 0, 47.807, 130.022

■ 64, 47.807,
130.022

■ 64, 47.807,
130.022

■ 63, 56.903,
129.621

■ 65, 38.202,
130.494

■ 63, 65.185,
129.367

■ 66, 28.300,
130.982

■ 62, 72.266,
129.371

■ 67, 18.256,
131.460

■ 62, 77.731,
129.756

■ 68, 8.179, 131.914

■ 61, 81.475,
130.536

■ 69, 1.856, 312.237

■ 61, 82.106,
130.670

■ 70, 11.792,
312.666

■ 72, 21.592,
313.000

■ 73, 31.228,
313.294

■ 75, 40.684,
313.552

Harmonies

Complementary

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



64, 47.807, 130.022



45, 50.413, 314.360

Rectangle

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



64, 47.807, 130.022



64, 47.807, 180.022



64, 47.807, 310.022



64, 47.807, 0.022

Sweetspot

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



64, 47.808, 130.023



85, 17.456, 131.640



58, 30.956, 77.543



45, 12.038, 131.544



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



64, 47.808, 130.023



80, 70.288, 129.591



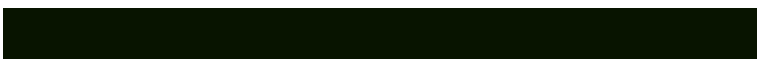
62, 51.057, 142.841



35, 5.681, 131.864



54, 74.550, 130.506



5, 10.519, 134.109

Inverse Universe

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



45, 50.413, 314.360



53, 75.004, 314.771



49, 50.812, 329.474



33, 5.742, 312.604



24, 81.383, 314.398



1, 10.184, 309.595

Previews

White Background



This preview shows how the CIELCh color 64, 47.807, 130.022 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, 47.807, 130.022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

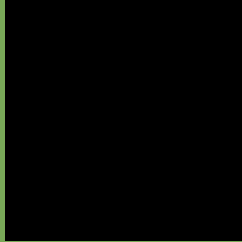
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 47.807, 130.022

Background



This preview shows how black text looks on a background with the CIELCh color 64, 47.807, 130.022.



This preview shows how white text looks on a background with the CIELCh color 64, 47.807, 130.022.

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](#).

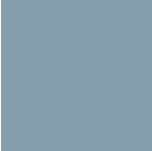
Dichromacy



Original Color
64, 47.807, 130.022

Protanopia
64, 40.156, 96.226

Deuteranopia
64, 35.655, 76.709



Tritanopia
64, 11.505, 238.045

Trichromacy



Original Color
64, 47.807, 130.022

Protanomaly
64, 41.031, 110.614

Deuteranomaly
63, 35.622, 100.595

Tritanomaly
64, 17.570, 156.169

Monochromacy



Original Color
64, 47.807, 130.022

Achromatopsia
60, 0.008, 296.813

Achromatomaly
61, 17.610, 131.216

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 47.807, 130.022 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(120, 168, 87)` looks like.

```
.text, #text, p{  
    color:rgb(120, 168, 87)  
}
```

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(120, 168, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 168, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 47.807, 130.022 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(120, 168, 87) }
```

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

```
.border{ border-color:rgb(120, 168, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 168, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 168, 87); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 168, 87); box-shadow:4px 4px 4px 4px rgb(120, 168, 87) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 47.807, 130.022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 168, 87) }
```

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

```
.background{ background-color: rgb(120,  
168, 87) }
```

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