

Converting Colors

CIELCh(57, 47.048, 117.991)

Have a look what the booklet for
CIELCh(57, 47.048, 117.991)
contains.

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Color

CIELCh(57, 46.938, 117.962)

Conversions

Conversions Part 1

Format	Color
Hex	7A923D
RGB	122, 146, 61
RGB Percent	48%, 57%, 24%
CMY	0.5227, 0.4285, 0.7618
CMYK	0.16, 0.00, 0.58, 0.43
HSL	77°, 41%, 40%
HSV	77°, 58%, 57%
XYZ	19.0572, 24.9227, 8.1838
YIQ	129.1340, 12.9810, -31.5230

Conversions

Conversions Part 2

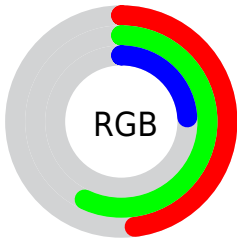
Format	Color
RYB	61, 146, 85
Decimal	8032829
CIELab	57.00, -22.01, 41.46
CIElCh	57, 46.938, 117.962
Yxy	24.9227, 0.3653, 0.4778
Android (android.graphics.Color)	4286222909 (0xFF7A923D)
YUV	129.1340, -33.5901, -6.2565
Hunter-Lab	49.9226, -19.2249, 25.2265

Details

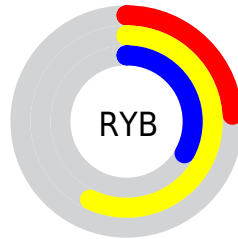
The CIELCh color **57, 46.938, 117.962** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **32, 53.617, 305.752**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 47.210, 117.997**, and **37, 46.808, 117.503** is the 20% darker color. If you saturate the color by 10%, you get **57, 53.624, 117.689**, and if you desaturate by 10%, it is **57, 39.551, 118.398**.

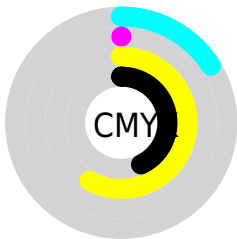
Distribution



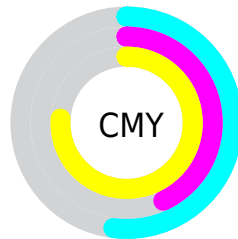
- Red (48%)
- Green (57%)
- Blue (24%)



- Red (24%)
- Yellow (57%)
- Blue (33%)



- Cyan (16%)
- Magenta (0%)
- Yellow (58%)
- Black (43%)



- Cyan (52%)
- Magenta (43%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 46.938, 117.962 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 57, 46.938, 117.962 by changing the saturation by 10% instead.

■ 57, 46.938,
117.962

■ 57, 46.938,
117.962

■ 100, 46.938,
117.962

■ 47, 46.938,
117.962

■ 77, 46.938,
117.962

■ 37, 46.938,
117.962

■ 87, 46.938,
117.962

■ 27, 46.938,
117.962

■ 97, 46.938,
117.962

■ 17, 46.938,
117.962

■ 7, 46.938, 117.962

■ 0, 46.938, 117.962

■ 57, 46.938,
117.962

■ 57, 46.938,
117.962

■ 57, 53.624,
117.689

■ 57, 39.551,
118.398

■ 56, 59.278,
117.661

■ 58, 31.712,
118.925

■ 56, 63.545,
117.983

■ 59, 23.595,
119.499

■ 56, 66.438,
118.650

■ 59, 15.319,
120.088

■ 56, 66.907,
118.759

■ 60, 6.964, 120.673

■ 61, 1.416, 301.210

■ 61, 9.780, 301.770

■ 62, 18.102,
302.280

■ 63, 26.361,
302.757

Harmonies

Complementary

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



57, 46.938, 117.962



32, 53.617, 305.752

Rectangle

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



57, 46.938, 117.962



57, 46.938, 167.962



57, 46.938, 297.962



57, 46.938, 347.962

Sweetspot

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



57, 46.939, 117.964



75, 17.555, 120.145



42, 33.925, 45.920



39, 11.700, 120.042



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



57, 46.939, 117.964



72, 67.165, 117.649



55, 53.466, 134.619



31, 4.786, 120.621



53, 64.178, 118.688



2, 4.200, 121.140

Inverse Universe

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



32, 53.617, 305.752



36, 79.813, 306.956



37, 54.873, 320.089



29, 4.875, 301.684



17, 82.134, 308.318



0, 4.201, 301.139

Previews

White Background



This preview shows how the CIELCh color 57, 46.938, 117.962 looks on a white 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

Black Background



This preview shows how the CIELCh color 57, 46.938, 117.962 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 × Fail

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

CIELCh 57, 46.938, 117.962

Background



This preview shows how black text looks on a background with the CIELCh color 57, 46.938, 117.962.



This preview shows how white text looks on a background with the CIELCh color 57, 46.938, 117.962.

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
57, 46.938, 117.962

Protanopia
57, 43.620, 95.810

Deuteranopia
57, 40.787, 79.936



Tritanopia
57, 6.515, 274.152

Trichromacy



Original Color
57, 46.938, 117.962

Protanomaly
57, 43.859, 104.340

Deuteranomaly
57, 40.762, 95.528

Tritanomaly
57, 14.490, 128.324

Monochromacy



Original Color
57, 46.938, 117.962

Achromatopsia
54, 0.007, 296.813

Achromatomaly
55, 18.037, 120.136

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 46.938, 117.962 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(122, 146, 61)` looks like.

```
.text, #text, p{  
    color:rgb(122, 146, 61)  
}
```

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(122, 146, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 146, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 46.938, 117.962 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(122, 146, 61) }
```

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

```
.border{ border-color:rgb(122, 146, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 146, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 146, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 146, 61);  
box-shadow:4px 4px 4px 4px rgb(122, 146,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 46.938, 117.962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 146, 61) }
```

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

```
.background{ background-color: rgb(122,  
146, 61) }
```

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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